



SEQUENCE LISTING

<110> Sato, Aaron K.
Sexton, Daniel J.
Dransfield, Daniel T.
Ladner, Robert C.
Arbogast, Christophe
Bussat, Philippe
Fan, Hong
Khurana, Sudha
Linder, Karen E.
Marinelli, Edmund R.
Nanjappan, Palaniappa
Nunn, Adrian
Pillai, Radhakrishna
Pochon, Sibylle
Ramalingam, Kondareddiar
Shrivastava, Ajay
Song, Bo
Swenson, Rolf E.
Von Wronski, Mathew A.

<120> KDR and VEGF/KDR Binding Peptides and
Their Use in Diagnosis and Therapy

<130> D0617.70012US00

<140> US 10/661,156
<141> 2003-09-11

<150> US 10/382,082
<151> 2003-03-03

<150> PCT/US03/06731
<151> 2003-03-03

<150> US 60/440,411
<151> 2003-01-15

<150> US 60/360,851
<151> 2002-03-01

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<400> 35

Val Thr Val Cys Tyr Glu Gly Thr Arg Ile Cys Glu Trp His
1 5 10

<210> 36

<211> 14

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<400> 36

Trp Val Glu Cys Arg Tyr Ser Thr Gly Leu Cys Ile Asn Tyr
1 5 10

<210> 37

<211> 14

<212> PRT

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<223> Library Isolate

<400> 37

Trp Tyr Trp Cys Asp Tyr Tyr Gly Ile Gly Cys Lys Trp Thr
1 5 10

<210> 38

<211> 14

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 38

Trp Val Glu Cys Trp Trp Lys Ser Gly Gln Cys Tyr Glu Phe
1 5 10

<210> 39

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

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<400> 39

Trp Ile Gln Cys Asp Met Glu Thr Gly Leu Cys Thr His Gly
1 5 10

<210> 40
<211> 14
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<400> 40
Trp Val Glu Cys Phe Met Asp Thr Gly Ala Cys Tyr Thr Phe
1 5 10

<210> 41
<211> 14
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<400> 41
Trp Leu Glu Cys Tyr Ala Glu Phe Gly His Cys Tyr Asn Phe
1 5 10

<210> 42
<211> 14
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<400> 42
Trp Ile Glu Cys Asp Met Leu Thr Gly Met Cys Lys His Gly
1 5 10

<210> 43
<211> 14
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<400> 43
Ser Val Glu Cys Phe Met Asp Thr Gly Ala Cys Tyr Thr Phe
1 5 10

<210> 44
<211> 14
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<400> 44

Trp Ile Gln Cys Asn Ser Ile Thr Gly His Cys Thr Ser Gly
1 5 10

<210> 45

<211> 14

<212> PRT

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<400> 45

Trp Ile Glu Cys Tyr His Pro Asp Gly Ile Cys Tyr His Phe
1 5 10

<210> 46

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 46

Gln Ala Trp Val Glu Cys Tyr Ala Glu Thr Gly Tyr Cys Trp Pro Arg
1 5 10 15
Ser Trp

<210> 47

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 47

Val Gly Trp Val Glu Cys Tyr Gln Ser Thr Gly Phe Cys Tyr His Ser
1 5 10 15
Arg Asp

<210> 48

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 48

Phe	Thr	Trp	Val	Glu	Cys	His	Gln	Ala	Thr	Gly	Arg	Cys	Val	Glu	Trp
1				5					10					15	
Thr	Thr														

<210> 49

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<212> PRT

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<400> 49

Asp	Trp	Trp	Val	Glu	Cys	Arg	Val	Gly	Thr	Gly	Leu	Cys	Tyr	Arg	Tyr
1				5					10					15	
Asp	Thr														

<210> 50

<211> 18

<212> PRT

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<400> 50

Asp	Ser	Trp	Val	Glu	Cys	Asp	Ala	Gln	Thr	Gly	Phe	Cys	Tyr	Ser	Phe
1				5					10					15	
Leu	Tyr														

<210> 51

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 51

Gly	Gly	Trp	Val	Glu	Cys	Tyr	Trp	Ala	Thr	Gly	Arg	Cys	Ile	Glu	Phe
1				5					10					15	
Ala	Gly														

<210> 52

<211> 18

<212> PRT

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<400> 52

Glu	Arg	Trp	Val	Glu	Cys	Arg	Ala	Glu	Thr	Gly	Phe	Cys	Tyr	Thr	Trp
1				5				10						15	
Val	Ser														

<210> 53

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 53

Gly	Gly	Trp	Val	Glu	Cys	Arg	Ala	Glu	Thr	Gly	His	Cys	Gln	Glu	Tyr
1				5				10						15	
Arg	Leu														

<210> 54

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 54

Val	Ala	Trp	Val	Glu	Cys	Tyr	Gln	Thr	Thr	Gly	Lys	Cys	Tyr	Thr	Phe
1				5				10						15	
Arg	Gly														

<210> 55

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 55

Glu	Gly	Trp	Val	Glu	Cys	Phe	Ala	Asn	Thr	Gly	Ala	Cys	Phe	Thr	Tyr
1				5				10						15	
Pro	Arg														

<210> 56

<211> 14

<212> PRT

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<223> Library Isolate

<400> 56

Gly Val Glu Cys Tyr Lys His Ser Gly Met Cys Arg Ser Trp
1 5 10

<210> 57

<211> 14

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 57

Gly Val Trp Cys Asp Met Val Thr Gly Trp Cys Tyr His Gly
1 5 10

<210> 58

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 58

Trp Ile Glu Cys His Tyr Lys Thr Gly His Cys Ile His Ser
1 5 10

<210> 59

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 59

Asp Phe Asn Cys Lys Met Ile Asp Gly Phe Cys Leu Leu Lys
1 5 10

<210> 60

<211> 14

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 60

Trp Ile Gln Cys Asp Arg Lys Ala Gly Arg Cys Ser Arg Gly
1 5 10

<210> 61

<211> 14

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 61

Thr Ile Thr Cys Trp Met Asp Thr Gly His Cys Met His Glu
1 5 10

<210> 62

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 62

Gly Ile Asn Cys Tyr Pro Ala Thr Gly Lys Cys Gln Met Gly
1 5 10

<210> 63

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 63

Trp Thr Glu Cys His Tyr Ala Thr Gly Lys Cys His Ser Phe
1 5 10

<210> 64

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 64

Leu Asn Ile Cys Lys Glu Asp Trp Tyr Tyr Cys Phe Leu Leu
1 5 10

<210> 65
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 65
Gly Ile Thr Cys Tyr Ser Ala Thr Gly Lys Cys Gln Met Trp
1 5 10

<210> 66
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 66
Trp Val Gln Cys Ala Ser Asp Thr Gly Lys Cys Ile Met Gly
1 5 10

<210> 67
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 67
Thr Gly Asn Cys Gln Glu Asp Trp Tyr Tyr Cys Trp Tyr Phe
1 5 10

<210> 68
<211> 14
<212> PRT
<213> Artificial Sequence

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<223> Library Isolate

<400> 68
Lys Glu Leu Cys Glu Asp Asp Trp Tyr Tyr Cys Tyr Leu Met
1 5 10

<210> 69
<211> 14
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<220>

<223> Library Isolate

<400> 69

His Trp Glu Cys Tyr Ser Asp Thr Gly Lys Cys Trp Phe Phe
1 5 10

<210> 70

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 70

Gly Ile Thr Cys Tyr Ser Asp Thr Gly Lys Cys Phe Ser Phe
1 5 10

<210> 71

<211> 14

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 71

Ala Val Thr Cys Trp Ala Leu Thr Gly His Cys Val Glu Glu
1 5 10

<210> 72

<211> 14

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 72

Tyr Val Asp Cys Tyr Tyr Asp Thr Gly Arg Cys Tyr His Gln
1 5 10

<210> 73

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 73

Trp Tyr Trp Cys Gln Tyr His Gly Val Cys Pro Gln Ser
1 5 10

<210> 74
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 74
Leu Val Met Cys Ile Ser Pro Glu Gly Tyr Cys Tyr Glu Ile
1 5 10

<210> 75
<211> 14
<212> PRT
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<220>

<223> Library Isolate

<400> 75
Leu Ile Glu Cys Tyr Ala His Thr Gly Leu Cys Phe Asp Phe
1 5 10

<210> 76
<211> 14
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<220>

<223> Library Isolate

<400> 76
His Trp Trp Cys Ala Phe Gln Pro Gln Glu Cys Glu Tyr Trp
1 5 10

<210> 77
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 77
His Tyr Glu Cys Trp Tyr Pro Glu Gly Lys Cys Tyr Phe Tyr
1 5 10

<210> 78
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 78

Trp Tyr Trp Cys His His Ile Gly Met Tyr Cys Asp Gly Phe
1 5 10

<210> 79

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 79

Trp Glu Trp Cys Pro Ile Asp Ala Trp Glu Cys Ile Met Leu
1 5 10

<210> 80

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 80

Trp Leu Glu Cys Tyr Thr Glu Phe Gly His Cys Tyr Asn Phe
1 5 10

<210> 81

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 81

Trp Val Glu Cys Trp Trp Lys Tyr Gly Gln Cys Tyr Glu Phe
1 5 10

<210> 82

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 82

Pro Asn Thr Cys Glu Thr Phe Asp Leu Tyr Cys Trp Trp Ile
1 5 10

<210> 83
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 83
Trp Ile Ile Cys Asp Gly Asn Leu Gly Trp Cys Trp Glu Gly
1 5 10

<210> 84
<211> 14
<212> PRT
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<220>

<223> Library Isolate

<400> 84
Gly Glu Gln Cys Ser Asn Leu Ala Val Ala Cys Cys Ser Thr
1 5 10

<210> 85
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 85
Trp Val Glu Cys Tyr Asp Pro Trp Gly Trp Cys Trp Glu Trp
1 5 10

<210> 86
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 86
Trp Tyr Trp Cys Met His Tyr Gly Leu Gly Cys Pro Tyr Arg
1 5 10

<210> 87
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 87

Tyr	Pro	Trp	Cys	His	Glu	Leu	Ser	Asp	Ser	Val	Thr	Arg	Phe	Cys	Val
1				5					10					15	
Pro	Trp														

<210> 88

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 88

Ser	Arg	Val	Cys	Trp	Glu	Asp	Ser	Trp	Gly	Gly	Glu	Val	Cys	Phe	Arg
1				5					10					15	
Tyr															

<210> 89

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 89

Ser	Arg	Val	Cys	Trp	Glu	Tyr	Ser	Trp	Gly	Gly	Glu	Val	Cys	Tyr	Arg
1				5					10					15	
Val															

<210> 90

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 90

Phe	Gly	Glu	Cys	Trp	Glu	Tyr	Phe	Trp	Gly	Gly	Glu	Phe	Cys	Leu	Arg
1				5					10					15	
Val															

<210> 91

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 91

Trp Arg Ile Cys Trp Glu Ser Ser Trp Gly Gly Glu Val Cys Ile Gly
1 5 10 15
His

<210> 92

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 92

Tyr Gly Val Cys Trp Glu Tyr Ser Trp Gly Gly Glu Val Cys Leu Arg
1 5 10 15
Phe

<210> 93

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 93

Ser Ser Val Cys Phe Glu Tyr Ser Trp Gly Gly Glu Val Cys Phe Arg
1 5 10 15
Tyr

<210> 94

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 94

Ser Arg Val Cys Trp Glu Tyr Ser Trp Gly Gly Gln Ile Cys Leu Gly
1 5 10 15
Tyr

<210> 95

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 95

Phe Ser Val Cys Trp Glu Tyr Ser Trp Gly Gly Glu Val Cys Leu Arg
1 5 10 15
Gln

<210> 96

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 96

Asp His Met Cys Arg Ser Pro Asp Tyr Gln Asp His Val Phe Cys Met
1 5 10 15
Tyr Trp

<210> 97

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 97

Pro Pro Leu Cys Tyr Phe Val Gly Thr Gln Glu Trp His His Cys Asn
1 5 10 15
Pro Phe

<210> 98

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 98

Trp Trp Glu Cys Lys Arg Glu Glu Tyr Arg Asn Thr Thr Trp Cys Ala
1 5 10 15
Trp Ala

<210> 99
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 99
Asp Ser Tyr Cys Met Met Asn Glu Lys Gly Trp Trp Asn Cys Tyr Leu
1 5 10 15
Tyr

<210> 100
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 100
Pro Ala Gln Cys Trp Glu Ser Asn Tyr Gln Gly Ile Phe Phe Cys Asp
1 5 10 15
Asn Pro

<210> 101
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 101
Gly Ser Trp Cys Glu Met Arg Gln Asp Val Gly Lys Trp Asn Cys Phe
1 5 10 15
Ser Asp

<210> 102
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 102
Gly Trp Ala Cys Ala Lys Trp Pro Trp Gly Gly Glu Ile Cys Gln Pro
1 5 10 15
Ser

<210> 103
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 103
Ala Ser Thr Cys Val Phe His Asp His Pro Tyr Phe Pro Met Cys Gln
1 5 10 15
Asp Asn

<210> 104
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 104
Pro Asp Thr Cys Thr Met Trp Gly Asp Ser Gly Arg Trp Tyr Cys Phe
1 5 10 15
Pro Ala

<210> 105
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 105
Asn Trp Lys Cys Glu Tyr Thr Gln Gly Tyr Asp Tyr Thr Glu Cys Val
1 5 10 15
Tyr Leu

<210> 106
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 106
Asn Trp Glu Cys Gly Trp Ser Asn Met Phe Gln Lys Glu Phe Cys Ala
1 5 10 15
Arg Pro

<210> 107
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 107
Ser Gly Tyr Cys Glu Phe Glu Ser Asp Thr Gly Arg Trp Phe Cys Ser
1 5 10 15
Ser Trp

<210> 108
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 108
Gly Gly Trp Cys Gln Leu Val Asp His Ser Trp Trp Trp Cys Gly Asp
1 5 10 15
Ser

<210> 109
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 109
Asp Asn Trp Cys Glu Ile Val Val Glu Lys Gly Gln Trp Phe Cys Tyr
1 5 10 15
Gly Ser

<210> 110
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 110
Tyr Pro Gly Cys Tyr Glu Thr Ser Leu Ser Gly Val Trp Phe Cys Ala
1 5 10 15
Asp Gly

<210> 111
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 111
Gly Trp Cys Gln Met Asp Ala Gln Gly Ile Trp Ser Cys Trp Ala Asp
1 5 10 15

<210> 112
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 112
Asp Arg Trp Cys Met Leu Asp Gln Glu Lys Gly Trp Trp Leu Cys Gly
1 5 10 15
Pro Pro

<210> 113
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 113
Asn Ser Glu Cys Gly Cys Pro Asn Met Leu His Lys Glu Phe Cys Ala
1 5 10 15
Arg His

<210> 114
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 114
Pro Phe Trp Cys Lys Phe Gln Gln Ser Lys Ala Met Phe Pro Cys Ser
1 5 10 15
Trp Phe

<210> 115
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 115
Tyr Pro Trp Cys His Glu His Ser Asp Ser Val Thr Arg Phe Cys Val
1 5 10 15
Pro Trp

<210> 116
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 116
Ser Asp Leu Cys Tyr Asn Gln Ser Gly Trp Trp Glu Leu Cys Tyr Phe
1 5 10 15
Asp

<210> 117
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 117
Leu Gly Tyr Cys Met Tyr Asp Tyr Glu Asn Arg Gly Trp Thr Cys Tyr
1 5 10 15
Pro Pro

<210> 118
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 118
Tyr Tyr Gln Cys Gln Arg Tyr Trp Asp Gly Lys Thr Trp Trp Cys Glu
1 5 10 15
Tyr Asn

<210> 119
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 119
Asp Ser Trp Cys Glu Leu Glu His Gln Ser Gly Ile Trp Arg Cys Asp
1 5 10 15
Phe Trp

<210> 120
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 120
Asp Trp Ala Cys Asp Glu Tyr Trp Ser Ala Tyr Ser Val Leu Cys Lys
1 5 10 15
His Pro

<210> 121
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 121
Leu Ser Leu Cys Tyr Asn Asp Met His Gly Trp Trp Glu His Cys Gln
1 5 10 15
Trp Tyr

<210> 122
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 122
Tyr Ser His Cys Ile Glu Thr Ser Met Glu Asn Ile Trp Phe Cys Asp
1 5 10 15
Phe Asp

<210> 123
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 123
Pro Pro Phe Cys Ile Tyr Gln Glu Pro Ser Gly Gln Trp Trp Cys Tyr
1 5 10 15
Asp His

<210> 124
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 124
Pro Gly Trp Cys Asp Phe Ser Pro Gln Leu Gly Gln Trp Met Cys Asp
1 5 10 15
Trp Phe

<210> 125
<211> 18
<212> PRT
<213> Artificial Sequence

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<223> Library Isolate

<400> 125
Leu Asp Asn Cys Ile Trp Asn Val Trp Lys Gly Val Gln Asp Cys Glu
1 5 10 15
Tyr Ser

<210> 126
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 126
Ala Gly Trp Cys Glu Tyr Val Ala Pro Gln Gly Ala Trp Arg Cys Phe
1 5 10 15
His Asn

<210> 127
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 127
Trp Asp Asp Cys Ile Trp His Met Trp Leu Lys Lys Lys Asp Cys Asn
1 5 10 15
Ser Gly

<210> 128
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 128
Pro Gly His Cys Glu Tyr Ile Trp Ile Asp Glu Gln Pro Trp Cys Val
1 5 10 15
Arg Leu

<210> 129
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 129
Tyr Ser Asp Cys Leu Phe Gln Leu Trp Lys Gly Ser Val Cys Pro Pro
1 5 10 15
Ser

<210> 130
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 130
Tyr Phe Phe Cys Ser Phe Ala Asp Val Ala Tyr Glu Ser Cys His Pro
1 5 10 15
Leu

<210> 131
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 131
Asn Tyr Met Cys Glu Ser Glu Asp His Thr Tyr Met Phe Pro Cys Trp
1 5 10 15
Trp Tyr

<210> 132
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 132
Asp Ala Val Cys Tyr Asn Pro Trp Phe Lys Tyr Trp Glu Thr Cys Glu
1 5 10 15
Tyr Asn

<210> 133
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 133
Asn Tyr Met Cys Glu Tyr Glu Asp His Thr Tyr Met Leu Thr Cys Glu
1 5 10 15
Cys Asn

<210> 134
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 134
Trp Asp Asp Cys Ile Tyr Ser Met Trp Met Val His Thr Val Cys Asp
1 5 10 15
Arg

<210> 135
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 135
Asn Trp Lys Cys Asp Ala His Gln Glu Gly Arg Ile His Ile Cys Trp
1 5 10 15
Gly Tyr

<210> 136
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 136
Asn Gly Ser Cys Trp Tyr Asp Phe Gly Trp Glu Thr Glu Ile Cys Phe
1 5 10 15
His Asn

<210> 137
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 137
Gln Val Gln Tyr Gln Phe Phe Leu Gly Thr Pro Arg Tyr Glu Gln Trp
1 5 10 15
Asp Leu Asp Lys
20

<210> 138
<211> 20
<212> PRT
<213> Artificial Sequence

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<223> Library Isolate

<400> 138
Glu Pro Glu Gly Tyr Ala Tyr Trp Glu Val Ile Thr Leu Tyr His Glu
1 5 10 15
Glu Asp Gly Asp
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<210> 139
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<400> 139
Trp Tyr Tyr Asp Trp Phe His Asn Gln Arg Lys Pro Pro Ser Asp Trp
1 5 10 15
Ile Asp Asn Leu
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<210> 140
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<400> 140
Ala Phe Pro Arg Phe Gly Gly Asp Asp Tyr Trp Ile Gln Gln Tyr Leu
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Arg Tyr Thr Asp
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<400> 141
Gly Asp Tyr Val Tyr Trp Glu Ile Ile Glu Leu Thr Gly Ala Thr Asp
1 5 10 15
His Thr Pro Pro
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<400> 142
Arg Gly Asp Tyr Gln Glu Gln Tyr Trp His Gln Gln Leu Val Glu Gln
1 5 10 15
Leu Lys Leu Leu
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<400> 143
Arg Ser Trp Tyr Leu Gly Pro Pro Tyr Tyr Glu Glu Trp Asp Pro Ile
1 5 10 15
Pro Asn

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<400> 144
Pro Ser Asn Ser Trp Ala Ala Val Trp Glu Asp Asp Met Gln Arg Leu
1 5 10 15
Met Arg Gln His
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<400> 145
Pro Arg Leu Gly Asp Asp Phe Glu Glu Ala Pro Pro Leu Glu Trp Trp
1 5 10 15
Trp Ala His Phe
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<210> 146
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<400> 146
Met Pro Pro Gly Phe Ser Tyr Trp Glu Gln Val Val Leu His Asp Asp
1 5 10 15
Ala Gln Val Leu
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<400> 147
Lys Lys Glu Asp Ala Gln Gln Trp Tyr Trp Thr Asp Tyr Val Pro Ser
1 5 10 15
Tyr Leu Tyr Arg
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<210> 148
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<400> 148
Trp Val Thr Lys Gln Gln Phe Ile Asp Thr Tyr Gly Arg Lys Glu Trp
1 5 10 15
Thr Ile Leu Phe
20

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<400> 149
Trp Leu Tyr Asp Tyr Trp Asp Arg Gln Gln Lys Ser Glu Glu Phe Lys
1 5 10 15
Phe Trp Ser Gln
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<210> 150
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<400> 150
Pro Val Thr Asp Trp Thr Pro His His Pro Lys Ala Pro Asp Val Trp
1 5 10 15
Leu Phe Tyr Thr
20

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<400> 151
Glu Trp Tyr Trp Thr Glu His Val Gly Met Lys His Gly Phe Phe Val
1 5 10 15

<210> 152
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<400> 152
Asp Ala Leu Glu Ala Pro Lys Arg Asp Trp Tyr Tyr Asp Trp Phe Leu
1 5 10 15
Asn His Ser Pro
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<210> 153
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<400> 153
Pro Asp Asn Trp Lys Glu Phe Tyr Glu Ser Gly Trp Lys Tyr Pro Ser
1 5 10 15
Leu Tyr Lys Pro Leu
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<400> 154
Glu Trp Asp Ala Gln Tyr Trp His Asp Leu Arg Gln Gln Tyr Met Leu
1 5 10 15
Asp Tyr Ile Gln
20

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<400> 155
Ala Phe Glu Ile Glu Tyr Trp Asp Ser Val Arg Asn Lys Ile Trp Gln
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His Phe Pro Asp
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<210> 156
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<400> 156
Ala Phe Pro Arg Phe Gly Gly Asp Asp Tyr Trp Ile Gln Gln Tyr Leu
1 5 10 15
Arg Tyr Thr Phe
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<210> 157
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<400> 157
Ala His Met Pro Pro Trp Arg Pro Val Ala Val Asp Ala Leu Phe Asp
1 5 10 15
Trp Val Glu

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<223> Library Isolate

<400> 158
Ala His Met Pro Pro Trp Trp Pro Leu Ala Val Asp Ala Gln Glu Asp
1 5 10 15
Trp Phe Glu

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<400> 159
Ala Gln Met Pro Pro Trp Trp Pro Leu Ala Val Asp Ala Leu Phe Asp
1 5 10 15
Trp Phe Glu

<210> 160
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<400> 160
Ala Arg Met Gly Asp Asp Trp Glu Glu Ala Pro Pro His Glu Trp Gly
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Trp Ala Asp Gly
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<400> 161
Asp Trp Tyr Trp Gln Arg Glu Arg Asp Lys Leu Arg Glu His Tyr Asp
1 5 10 15
Asp Ala Phe Trp
20

<210> 162
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<400> 162
Asp Trp Tyr Trp Arg Glu Trp Met Pro Met His Ala Gln Phe Leu Ala
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Asp Asp Trp

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<400> 163
Asp Trp Tyr Tyr Asp Glu Ile Leu Ser Met Ala Asp Gln Leu Arg His
1 5 10 15
Ala Phe Leu Ser
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<210> 164
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<400> 164
Glu Glu Gln Gln Ala Leu Tyr Pro Gly Cys Glu Pro Ala Glu His Trp
1 5 10 15
Val Tyr Ala Gly
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<210> 165
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<400> 165
Phe Asp Val Val Asn Trp Gly Asp Gly Ile Trp Tyr Ala Tyr Pro Ser
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<210> 166
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<223> Library Isolate

<400> 166
Phe Pro Ser Gln Met Trp Gln Gln Lys Val Ser His His Phe Phe Gln
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His Lys Gly Tyr
20

<210> 167
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<400> 167
Gly Ser Asp His Val Arg Val Asp Asn Tyr Trp Trp Asn Gly Met Ala
1 5 10 15
Trp Glu Ile Phe
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<210> 168
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<223> Library Isolate

<400> 168
Ile Ser Pro Trp Arg Glu Met Ser Gly Trp Gly Met Pro Trp Ile Thr
1 5 10 15
Ala Val Pro His
20

<210> 169
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<400> 169
Leu Glu Glu Val Phe Glu Asp Phe Gln Asp Phe Trp Tyr Thr Glu His
1 5 10 15
Ile Ile Val Asp Arg
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<210> 170
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<400> 170
Met Pro Pro Gly Phe Ser Tyr Trp Glu Gln Ala Ala Leu His Asp Asp
1 5 10 15
Ala Gln Asp Leu
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<210> 171
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<400> 171
Pro Glu Asp Ser Glu Ala Trp Tyr Trp Leu Asn Tyr Arg Pro Thr Met
1 5 10 15
Phe His Gln Leu
20

<210> 172
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<400> 172
Gln Ile Glu Tyr Val Asn Asp Lys Trp Tyr Trp Thr Gly Gly Tyr Trp
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Asn Val Pro Phe
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<210> 173
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<400> 173
Gln Val Gln Tyr Gln Phe Ile Leu Gly Thr Pro Arg Tyr Glu Gln Trp
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Asp Pro Asp Lys
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<210> 174
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<223> Library Isolate

<400> 174
Arg Asp Glu Trp Gly Trp Thr Gly Val Pro Tyr Glu Gly Glu Met Gly
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Tyr Gln Ile Ser
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<210> 175
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<220>

<223> Library Isolate

<400> 175
Ser Thr Asn Gly Asp Ser Phe Val Tyr Trp Glu Glu Val Glu Leu Val
1 5 10 15
Asp His Pro Tyr
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<400> 176
Ser Tyr Glu Gln Trp Leu Pro Gln Tyr Trp Ala Gln Tyr Lys Ser Asn
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Tyr Phe Leu

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<400> 177
Thr Lys Trp Gly Pro Asn Pro Glu His Trp Gln Tyr Trp Tyr Ser His
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Tyr Ala Ser Ser
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<210> 178
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<400> 178
Val Ser Lys Gly Ser Ile Asp Val Gly Glu Gly Ile Ser Tyr Trp Glu
1 5 10 15
Ile Ile Glu Leu
20

<210> 179
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<400> 179
Trp Glu Ser Asp Tyr Trp Asp Gln Met Arg Gln Gln Leu Lys Thr Ala
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Tyr Met Lys Val
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<210> 180
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<223> Library Isolate

<400> 180
Trp Tyr His Asp Gly Leu His Asn Glu Arg Lys Pro Pro Ser His Trp
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Ile Asp Asn Val
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<400> 181
Ala Pro Ala Trp Thr Phe Gly Thr Asn Trp Arg Ser Ile Gln Arg Val
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Asp Ser Leu Thr
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Glu Gly Trp Phe Arg Asn Pro Gln Glu Ile Met Gly Phe Gly Asp Ser
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Trp Asp Lys Pro
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<210> 183
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<400> 183
Gly Trp Asp Leu Ser Val Asn Arg Asp Lys Arg Trp Phe Trp Pro Trp
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Ser Ser Arg Glu
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Lys Tyr Trp Phe
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<400> 185
Gly Met Asp Leu Tyr Gln Tyr Trp Ala Ser Asp Asp Tyr Trp Gly Arg
1 5 10 15
His Gln Glu Leu
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<400> 186
Gly Val Asp Ile Trp His Tyr Trp Lys Ser Ser Thr Arg Tyr Phe His
1 5 10 15
Gln

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<400> 187
Gly Val Glu Cys Asn His Met Gly Leu Cys Val Ser Trp
1 5 10

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<400> 188
Gly Ile Thr Cys Asp Glu Leu Gly Arg Cys Val His Trp
1 5 10

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<400> 189
Trp Ile Gln Cys Asn His Gln Gly Gln Cys Phe His Gly
1 5 10

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<400> 190
Trp Ile Glu Cys Asn Lys Asp Gly Lys Cys Trp His Tyr
1 5 10

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<400> 191

Trp Val Glu Cys Asn His Lys Gly Leu Cys Arg Glu Tyr
1 5 10

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<400> 192

Trp Tyr Trp Cys Glu Phe Tyr Gly Val Cys Ser Glu Glu
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<223> Library Isolate

<400> 193

Ile Asp Phe Cys Lys Gly Met Ala Pro Trp Leu Cys Ala Asp Met
1 5 10 15

<210> 194

<211> 15

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<223> Library Isolate

<400> 194

Pro Trp Thr Cys Trp Leu Glu Asp His Leu Ala Cys Ala Met Leu
1 5 10 15

<210> 195

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 195

Asp Trp Gly Cys Ser Leu Gly Asn Trp Tyr Trp Cys Ser Thr Glu
1 5 10 15

<210> 196
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<400> 196
Met Pro Trp Cys Ser Glu Val Thr Trp Gly Trp Cys Lys Leu Asn
1 5 10 15

<210> 197
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<400> 197
Arg Gly Pro Cys Ser Gly Gln Pro Trp His Leu Cys Tyr Tyr Gln
1 5 10 15

<210> 198
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<213> Artificial Sequence

<220>

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<400> 198
Pro Trp Gly Cys Asp His Phe Gly Trp Ala Trp Cys Lys Gly Met
1 5 10 15

<210> 199
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<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 199
Met Pro Trp Cys Val Glu Lys Asp His Trp Asp Cys Trp Trp Trp
1 5 10 15

<210> 200
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<220>

<223> Library Isolate

<400> 200

Pro	Gly	Pro	Cys	Lys	Gly	Tyr	Met	Pro	His	Gln	Cys	Trp	Tyr	Met
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<210> 201

<211> 15

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<220>

<223> Library Isolate

<400> 201

Tyr	Gly	Pro	Cys	Ala	Glu	Met	Ser	Pro	Trp	Leu	Cys	Trp	Tyr	Pro
1				5					10					15

<210> 202

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<220>

<223> Library Isolate

<400> 202

Tyr	Gly	Pro	Cys	Lys	Asn	Met	Pro	Pro	Trp	Met	Cys	Trp	His	Glu
1				5					10					15

<210> 203

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<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 203

Gly	His	Pro	Cys	Lys	Gly	Met	Leu	Pro	His	Thr	Cys	Trp	Tyr	Glu
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<210> 204

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 204

Asn	Asn	Ser	Cys	Trp	Leu	Ser	Thr	Thr	Leu	Gly	Ser	Cys	Phe	Phe	Asp
1				5					10						15

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<220>

<223> Library Isolate

<400> 205
Asp His His Cys Tyr Leu His Asn Gly Gln Trp Ile Cys Tyr Pro Phe
1 5 10 15

<210> 206
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<220>

<223> Library Isolate

<400> 206
Asn Ser His Cys Tyr Ile Trp Asp Gly Met Trp Leu Cys Phe Pro Asp
1 5 10 15

<210> 207
<211> 19
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<220>

<223> Library Isolate

<400> 207
Ser Asn Lys Cys Asp His Tyr Gln Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 208
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<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 208
Ser Asn Lys Cys Asp His Tyr Gln Ser Gly Pro Tyr Gly Glu Val Cys
1 5 10 15
Phe Asn Tyr

<210> 209
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<220>

<223> Library Isolate

<400> 209

Arg Leu Asp Cys Asp Lys Val Phe Ser Gly Pro Tyr Gly Lys Val Cys
1 5 10 15
Val Ser Tyr

$\langle 210 \rangle$ 210

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

$\langle 400 \rangle$ 210

Arg Leu Asp Cys Asp Lys Val Phe Ser Gly Pro Asp Thr Ser Cys Gly
1 5 10 15
Ser Gln

$\langle 210 \rangle$ 211

<211> 19

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<213> Artificial Sequence

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<223> Library Isolate

<400> 211

Arg Leu Asp Cys Asp Lys Val Phe Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Arg Tyr

<210> 212

<211> 19

<212> PRT

<213> Artificial Sequence

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<223> Library Isolate

<400> 212

Arg Leu Asp Cys Asp Lys Val Phe Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 213
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<220>

<223> Library Isolate

<400> 213
Arg Val Asp Cys Asp Lys Val Ile Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 214
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<400> 214
Arg Thr Thr Cys His His Gln Ile Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 215
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<220>

<223> Library Isolate

<400> 215
Glu Phe His Cys His His Ile Met Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 216
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<223> Library Isolate

<400> 216
His Asn Arg Cys Asp Phe Lys Met Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 217
<211> 19
<212> PRT
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<220>

<223> Library Isolate

<400> 217
Trp Gln Glu Cys Thr Lys Val Leu Ser Gly Pro Gly Thr Phe Glu Cys
1 5 10 15
Ser Tyr Glu

<210> 218
<211> 19
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<220>

<223> Library Isolate

<400> 218
Trp Gln Glu Cys Thr Lys Val Leu Ser Gly Pro Gly Gln Phe Ser Cys
1 5 10 15
Val Tyr Gly

<210> 219
<211> 19
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<220>

<223> Library Isolate

<400> 219
Trp Gln Glu Cys Thr Lys Val Leu Ser Gly Pro Gly Gln Phe Glu Cys
1 5 10 15
Glu Tyr Met

<210> 220
<211> 19
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<220>

<223> Library Isolate

<400> 220
Trp Gln Glu Cys Thr Lys Val Leu Ser Gly Pro Asn Ser Phe Glu Cys
1 5 10 15
Lys Tyr Asp

<210> 221
<211> 19
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<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 221
Trp Asp Arg Cys Glu Arg Gln Ile Ser Gly Pro Gly Gln Phe Ser Cys
1 5 10 15
Val Tyr Gly

<210> 222
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 222
Trp Gln Glu Cys Thr Lys Val Leu Ser Gly Pro Gly Gln Phe Leu Cys
1 5 10 15
Ser Tyr Gly

<210> 223
<211> 19
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<220>

<223> Library Isolate

<400> 223
Arg Leu Asp Cys Asp Met Val Phe Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 224
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 224
Lys Arg Cys Asp Thr Thr His Ser Gly Pro His Gly Ile Val Cys Val
1 5 10 15
Val Tyr

<210> 225
<211> 19
<212> PRT
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<223> Library Isolate

<400> 225
Ser Asn Lys Cys Asp His Tyr Gln Ser Gly Pro Tyr Gly Ala Val Cys
1 5 10 15
Leu His Tyr

<210> 226
<211> 19
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<223> Library Isolate

<400> 226
Ser Pro His Cys Gln Tyr Lys Ile Ser Gly Pro Phe Gly Pro Val Cys
1 5 10 15
Val Asn Tyr

<210> 227
<211> 19
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<220>

<223> Library Isolate

<400> 227
Ala His Gln Cys His His Trp Thr Ser Gly Pro Tyr Gly Glu Val Cys
1 5 10 15
Phe Asn Tyr

<210> 228
<211> 19
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<220>

<223> Library Isolate

<400> 228
Tyr Asp Lys Cys Ser Ser Arg Phe Ser Gly Pro Phe Gly Glu Ile Cys
1 5 10 15
Val Asn Tyr

<210> 229
<211> 19
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<400> 229
Met Gly Gly Cys Asp Phe Ser Phe Ser Gly Pro Phe Gly Gln Ile Cys
1 5 10 15
Gly Arg Tyr

<210> 230
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<400> 230
Arg Thr Thr Cys His His Gln Ile Ser Gly Pro Phe Gly Asp Val Cys
1 5 10 15
Val Ser Tyr

<210> 231
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<400> 231
Trp Tyr Arg Cys Asp Phe Asn Met Ser Gly Pro Asp Phe Thr Glu Cys
1 5 10 15
Leu Tyr Pro

<210> 232
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<400> 232
Trp Met Gln Cys Asn Met Ser Ala Ser Gly Pro Lys Asp Met Tyr Cys
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Glu Tyr Asp

<210> 233
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<400> 233
Gly Ile Ser Cys Lys Trp Ile Trp Ser Gly Pro Asp Arg Trp Lys Cys
1 5 10 15
His His Phe

<210> 234
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<400> 234
Trp Gln Val Cys Lys Pro Tyr Val Ser Gly Pro Ala Ala Phe Ser Cys
1 5 10 15
Lys Tyr Glu

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<400> 235
Gly Trp Trp Cys Tyr Arg Asn Asp Ser Gly Pro Lys Pro Phe His Cys
1 5 10 15
Arg Ile Lys

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<400> 236
Glu Gly Trp Cys Trp Phe Ile Asp Ser Gly Pro Trp Lys Thr Trp Cys
1 5 10 15
Glu Lys Gln

<210> 237
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<400> 237
Phe Pro Lys Cys Lys Phe Asp Phe Ser Gly Pro Pro Trp Tyr Gln Cys
1 5 10 15
Asn Thr Lys

<210> 238
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<400> 238
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<400> 239
Arg Leu Asp Cys Asp Lys Val Phe Ser Gly Pro Tyr Gly Asn Val Cys
1 5 10 15
Val Asn Tyr

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Arg Leu Asp Cys Asp Lys Val Phe Ser Gly Pro Ser Met Gly Thr Cys
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<400> 241
Arg Thr Thr Cys His His His Ile Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

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<400> 242
Gln Phe Gly Cys Glu His Ile Met Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

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<400> 243
Pro Val His Cys Ser His Thr Ile Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

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<400> 244
Ser Val Thr Cys His Phe Gln Met Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

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<400> 245
Pro Arg Gly Cys Gln His Met Ile Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

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<400> 246
Arg Thr Thr Cys His His Gln Ile Ser Gly Pro His Gly Gln Ile Cys
1 5 10 15
Val Asn Tyr

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Trp Thr Ile Cys His Met Glu Leu Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

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<400> 248
Phe Ile Thr Cys Ala Leu Trp Leu Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

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<400> 249
Met Gly Gly Cys Asp Phe Ser Phe Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 250
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<400> 250
Lys Asp Trp Cys His Thr Thr Phe Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 251
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<400> 251
Ala Trp Gly Cys Asp Asn Met Met Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 252
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<400> 252
Ser Asn Lys Cys Asp His Ile Met Ser Gly Pro His Gly Lys Ile Cys
1 5 10 15
Val Asn Tyr

<210> 253
<211> 19
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<223> Library Isolate

<400> 253
Ser Asn Lys Cys Asp His Tyr Gln Ser Gly Pro Phe Gly Asp Ile Cys
1 5 10 15
Val Met Tyr

<210> 254
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<400> 254
Ser Asn Lys Cys Asp His Tyr Gln Ser Gly Pro Phe Gly Asp Val Cys
1 5 10 15
Val Ser Tyr

<210> 255
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<400> 255
Ser Asn Lys Cys Asp His Tyr Gln Ser Gly Pro Phe Gly Asp Ile Cys
1 5 10 15
Val Ser Tyr

<210> 256
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<400> 256
Arg Thr Thr Cys His His Gln Ile Ser Gly Pro Phe Gly Pro Val Cys
1 5 10 15
Val Asn Tyr

<210> 257
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<223> Library Isolate

<400> 257
Arg Thr Thr Cys His His Gln Ile Ser Gly Pro Tyr Gly Asp Ile Cys
1 5 10 15
Val Lys Tyr

<210> 258
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<212> PRT
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<223> Library Isolate

<400> 258
Pro His Gly Lys Ile Cys Val Asn Tyr Gly Ser Glu Ser Ala Asp Pro
1 5 10 15
Ser Tyr Ile Glu
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<210> 259
<211> 19
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<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 259
Arg Tyr Lys Cys Pro Arg Asp Leu Ser Gly Pro Pro Tyr Gly Pro Cys
1 5 10 15
Ser Pro Gln

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<400> 262
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<210> 263
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<220>
<223> Synthesized KDR-Binding Polypeptide

<400> 263
Ala Gly Asp Ser Trp Cys Ser Thr Glu Tyr Thr Tyr Cys Glu Met Ile
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 264
<211> 22
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<220>
<223> Synthesized KDR-Binding Polypeptide

<400> 264
Ala Gly Pro Lys Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Met Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<223> Synthesized KDR-Binding Polypeptide

<400> 265
Ala Gly Val Trp Glu Cys Ala Lys Thr Phe Pro Phe Cys His Trp Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<210> 266
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 266
Ala Gly Trp Val Glu Cys Trp Trp Lys Ser Gly Gln Cys Tyr Glu Phe
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Gly Thr Gly Gly Gly Lys
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<210> 267
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<223> Synthesized KDR-Binding Polypeptide

<400> 267
Ala Gly Trp Leu Glu Cys Tyr Ala Glu Phe Gly His Cys Tyr Asn Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<210> 268
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 268
Ala Gly Trp Ile Gln Cys Asn Ser Ile Thr Gly His Cys Thr Ser Gly
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<223> Synthesized KDR-Binding Polypeptide

<400> 269
Ala Gly Trp Ile Glu Cys Tyr His Pro Asp Gly Ile Cys Tyr His Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<223> Synthesized KDR-Binding Polypeptide

<400> 270
Ala Gly Ser Asp Trp Cys Arg Val Asp Trp Tyr Tyr Cys Trp Leu Met
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<400> 271
Ala Gly Ala Asn Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Phe Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<400> 272
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1 5 10 15
Gly Thr Gly Gly Gly Lys
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<210> 273
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<400> 273
Ala Gly Pro Asp Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Trp Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<400> 274
Ala Gly Ser Asn Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Tyr Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<400> 275
Ala Gly Pro Asp Trp Cys Ala Ala Asp Trp Tyr Tyr Cys Tyr Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<400> 276
Ala Gly Pro Glu Trp Cys Glu Val Asp Trp Tyr Tyr Cys Trp Leu Leu
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<400> 277
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<400> 278
Ala Gly Ser Lys Trp Cys Glu Gln Asp Trp Tyr Tyr Cys Trp Leu Leu
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<223> Synthesized KDR-Binding Polypeptide

<400> 279
Ala Gly Arg Asn Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Phe Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<210> 280
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<223> Synthesized KDR-Binding Polypeptide

<400> 280
Ala Gly Val Asn Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Trp Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<210> 281
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 281
Ala Gly Ala Asn Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Tyr Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
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<210> 282
<211> 26
<212> PRT
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 282
Ala Gly Gln Ala Trp Val Glu Cys Tyr Ala Glu Thr Gly Tyr Cys Trp
1 5 10 15
Pro Arg Ser Trp Gly Thr Gly Gly Gly Lys
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<210> 283
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<223> Synthesized KDR-Binding Polypeptide

<400> 283
Ala Gly Gln Ala Trp Ile Glu Cys Tyr Ala Glu Asp Gly Tyr Cys Trp
1 5 10 15
Pro Arg Ser Trp Gly Thr Gly Gly Gly Lys
20 25

<210> 284
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<223> Synthesized KDR-Binding Polypeptide

<400> 284
Ala Gly Val Gly Trp Val Glu Cys Tyr Gln Ser Thr Gly Phe Cys Tyr
1 5 10 15
His Ser Arg Asp Gly Thr Gly Gly Gly Lys
20 25

<210> 285
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<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 285
Ala Gly Phe Thr Trp Val Glu Cys His Gln Ala Thr Gly Arg Cys Val
1 5 10 15
Glu Trp Thr Thr Gly Thr Gly Gly Lys
20 25

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<223> Synthesized KDR-Binding Polypeptide

<400> 286
Ala Gly Asp Trp Trp Val Glu Cys Arg Val Gly Thr Gly Leu Cys Tyr
1 5 10 15
Arg Tyr Asp Thr Gly Thr Gly Gly Lys
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<223> Synthesized KDR-Binding Polypeptide

<400> 287
Ala Gly Asp Ser Trp Val Glu Cys Asp Ala Gln Thr Gly Phe Cys Tyr
1 5 10 15
Ser Phe Leu Tyr Gly Thr Gly Gly Lys
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<210> 288
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<223> Synthesized KDR-Binding Polypeptide

<400> 288
Ala Gly Gly Gly Trp Val Glu Cys Tyr Trp Ala Thr Gly Arg Cys Ile
1 5 10 15
Glu Phe Ala Gly Gly Thr Gly Gly Lys
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<210> 289
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<223> Synthesized KDR-Binding Polypeptide

<400> 289
Ala Gly Glu Arg Trp Val Glu Cys Arg Ala Glu Thr Gly Phe Cys Tyr
1 5 10 15
Thr Trp Val Ser Gly Thr Gly Gly Lys
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<210> 290
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<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 290
Ala Gly Gly Gly Trp Val Glu Cys Arg Ala Glu Thr Gly His Cys Gln
1 5 10 15
Glu Tyr Arg Leu Gly Thr Gly Gly Lys
20 25

<210> 291
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<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 291
Ala Gly Val Ala Trp Val Glu Cys Tyr Gln Thr Thr Gly Lys Cys Tyr
1 5 10 15
Thr Phe Arg Gly Gly Thr Gly Gly Lys
20 25

<210> 292
<211> 26
<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 292
Ala Gly Glu Gly Trp Val Glu Cys Phe Ala Asn Thr Gly Ala Cys Phe
1 5 10 15
Thr Tyr Pro Arg Gly Thr Gly Gly Lys
20 25

<210> 293
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 293
Gly Asp Tyr Pro Trp Cys His Glu Leu Ser Asp Ser Val Thr Arg Phe
1 5 10 15
Cys Val Pro Trp Asp Pro Gly Gly Gly Lys
20 25

<210> 294
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<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 294
Gly Asp Ser Arg Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 295
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 295
Gly Asp Asp His Met Cys Arg Ser Pro Asp Tyr Gln Asp His Val Phe
1 5 10 15
Cys Met Tyr Trp Asp Pro Gly Gly Gly Lys
20 25

<210> 296
<211> 26
<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 296
Gly Asp Pro Pro Leu Cys Tyr Phe Val Gly Thr Gln Glu Trp His His
1 5 10 15
Cys Asn Pro Phe Asp Pro Gly Gly Gly Lys
20 25

<210> 297
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<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 297
Gly Asp Asp Ser Tyr Cys Met Met Asn Glu Lys Gly Trp Trp Asn Cys
1 5 10 15
Tyr Leu Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 298
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<212> PRT
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 298
Gly Asp Pro Ala Gln Cys Trp Glu Ser Asn Tyr Gln Gly Ile Phe Phe
1 5 10 15
Cys Asp Asn Pro Asp Pro Gly Gly Gly Lys
20 25

<210> 299
<211> 26
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<223> Synthesized KDR-Binding Polypeptide

<400> 299
Gly Asp Gly Ser Trp Cys Glu Met Arg Gln Asp Val Gly Lys Trp Asn
1 5 10 15
Cys Phe Ser Asp Asp Pro Gly Gly Gly Lys
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<210> 300
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<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 300
Gly Asp Gly Trp Ala Cys Ala Lys Trp Pro Trp Gly Gly Glu Ile Cys
1 5 10 15
Gln Pro Ser Asp Pro Gly Gly Gly Lys
20 25

<210> 301
<211> 26
<212> PRT
<213> Artificial Sequence

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<223> Synthesized KDR-Binding Polypeptide

<400> 301
Gly Asp Pro Asp Thr Cys Thr Met Trp Gly Asp Ser Gly Arg Trp Tyr
1 5 10 15
Cys Phe Pro Ala Asp Pro Gly Gly Gly Lys
20 25

<210> 302
<211> 26
<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 302
Gly Asp Asn Trp Lys Cys Glu Tyr Thr Gln Gly Tyr Asp Tyr Thr Glu
1 5 10 15
Cys Val Tyr Leu Asp Pro Gly Gly Gly Lys
20 25

<210> 303
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<223> Synthesized KDR-Binding Polypeptide

<400> 303
Gly Asp Asn Trp Glu Cys Gly Trp Ser Asn Met Phe Gln Lys Glu Phe
1 5 10 15
Cys Ala Arg Pro Asp Pro Gly Gly Gly Lys
20 25

<210> 304
<211> 25
<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 304
Ala Gln Gln Val Gln Tyr Gln Phe Phe Leu Gly Thr Pro Arg Tyr Glu
1 5 10 15
Gln Trp Asp Leu Asp Lys Gly Gly Lys
20 25

<210> 305
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<212> PRT
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 305
Ala Gln Glu Pro Glu Gly Tyr Ala Tyr Trp Glu Val Ile Thr Leu Tyr
1 5 10 15
His Glu Glu Asp Gly Asp Gly Gly Lys
20 25

<210> 306
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 306
Ala Gln Ala Phe Pro Arg Phe Gly Gly Asp Asp Tyr Trp Ile Gln Gln
1 5 10 15
Tyr Leu Arg Tyr Thr Asp Gly Gly Lys
20 25

<210> 307
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 307
Ala Gln Gly Asp Tyr Val Tyr Trp Glu Ile Ile Glu Leu Thr Gly Ala
1 5 10 15
Thr Asp His Thr Pro Pro Gly Gly Lys
20 25

<210> 308
<211> 25
<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 308
Ala Gln Arg Gly Asp Tyr Gln Glu Gln Tyr Trp His Gln Gln Leu Val
1 5 10 15
Glu Gln Leu Lys Leu Leu Gly Gly Lys
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<210> 309
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 309
Ala Gln Arg Ser Trp Tyr Leu Gly Pro Pro Tyr Tyr Glu Glu Trp Asp
1 5 10 15
Pro Ile Pro Asn Gly Gly Lys
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<210> 310
<211> 26
<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 310
Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Ser Met Ala Asp Gln Leu
1 5 10 15
Arg His Ala Phe Leu Ser Gly Gly Gly Lys
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<210> 311
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<223> Synthesized KDR-Binding Polypeptide

<400> 311
Ala Gly Ile Asp Phe Cys Lys Gly Met Ala Pro Trp Leu Cys Ala Asp
1 5 10 15
Met Gly Thr Gly Gly Gly Lys
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<210> 312
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<400> 312
Ala Gly Pro Trp Thr Cys Trp Leu Glu Asp His Leu Ala Cys Ala Met
1 5 10 15
Leu Gly Thr Gly Gly Gly Lys
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<210> 313
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 313
Ala Gly Asp Trp Gly Cys Ser Leu Gly Asn Trp Tyr Trp Cys Ser Thr
1 5 10 15
Glu Gly Thr Gly Gly Lys
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<210> 314
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<212> PRT
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 314
Gly Ser Asp His His Cys Tyr Leu His Asn Gly Gln Trp Ile Cys Tyr
1 5 10 15
Pro Phe Ala Pro Gly Gly Lys
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<210> 315
<211> 24
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 315
Gly Ser Asn Ser His Cys Tyr Ile Trp Asp Gly Met Trp Leu Cys Phe
1 5 10 15
Pro Asp Ala Pro Gly Gly Lys
20

<210> 316
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 316
Ser Gly Arg Leu Asp Cys Asp Lys Val Phe Ser Gly Pro Tyr Gly Lys
1 5 10 15
Val Cys Val Ser Tyr Gly Ser Gly Gly Lys
20 25

<210> 317
<211> 27
<212> PRT
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 317
Ser Gly Arg Leu Asp Cys Asp Lys Val Phe Ser Gly Pro His Gly Lys
1 5 10 15
Ile Cys Val Asn Tyr Gly Ser Gly Gly Gly Lys
20 25

<210> 318
<211> 27
<212> PRT
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<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 318
Ser Gly Arg Thr Thr Cys His His Gln Ile Ser Gly Pro His Gly Lys
1 5 10 15
Ile Cys Val Asn Tyr Gly Ser Gly Gly Gly Lys
20 25

<210> 319
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<212> PRT
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<223> Synthesized KDR-Binding Polypeptide

<400> 319
Ser Gly Ala His Gln Cys His His Trp Thr Ser Gly Pro Tyr Gly Glu
1 5 10 15
Val Cys Phe Asn Tyr Gly Ser Gly Gly Gly Lys
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<210> 320
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<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 320
Ala Gly Met Pro Trp Cys Val Glu Lys Asp His Trp Asp Cys Trp Trp
1 5 10 15
Trp Gly Thr Gly Gly Gly Lys
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<210> 321
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 321
Ala Gly Pro Gly Pro Cys Lys Gly Tyr Met Pro His Gln Cys Trp Tyr
1 5 10 15
Met Gly Thr Gly Gly Gly Lys
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<210> 322
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<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 322
Ala Gly Tyr Gly Pro Cys Ala Glu Met Ser Pro Trp Leu Cys Trp Tyr
1 5 10 15
Pro Gly Thr Gly Gly Gly Lys
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<210> 323
<211> 23
<212> PRT
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<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 323
Ala Gly Tyr Gly Pro Cys Lys Asn Met Pro Pro Trp Met Cys Trp His
1 5 10 15
Glu Gly Thr Gly Gly Gly Lys
20

<210> 324
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 324
Ala Gly Gly His Pro Cys Lys Gly Met Leu Pro His Thr Cys Trp Tyr
1 5 10 15
Glu Gly Thr Gly Gly Gly Lys
20

<210> 325
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 325
Ala Gln Ala Pro Ala Trp Thr Phe Gly Thr Asn Trp Arg Ser Ile Gln
1 5 10 15
Arg Val Asp Ser Leu Thr Gly Gly Gly Gly Gly Lys
20 25

<210> 326
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 326
Ala Gln Glu Gly Trp Phe Arg Asn Pro Gln Glu Ile Met Gly Phe Gly
1 5 10 15
Asp Ser Trp Asp Lys Pro Gly Gly Gly Gly Gly Lys
20 25

<210> 327
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Library isolate

<400> 327
Gly Asp Ser Ser Val Cys Phe Glu Tyr Ser Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 328
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Library isolate

<400> 328
Gly Asp Ser Arg Val Cys Trp Glu Tyr Ser Trp Gly Gly Gln Ile Cys
1 5 10 15
Leu Gly Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 329
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 329
Ala Gly Met Pro Trp Cys Val Glu Lys Asp His Trp Asp Cys Trp Trp
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 330
<211> 26
<212> PRT
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<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 330
Ala Gln Glu Gly Trp Phe Arg Asn Pro Gln Glu Ile Met Gly Phe Gly
1 5 10 15
Asp Ser Trp Asp Lys Pro Gly Gly Gly Lys
20 25

<210> 331
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 331
Ala Gln Arg Gly Asp Tyr Gln Glu Gln Tyr Trp His Gln Gln Leu Val
1 5 10 15
Glu Gln Leu Lys Leu Leu Gly Gly Gly Lys
20 25

<210> 332
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 332
Ala Gly Trp Tyr Trp Cys Asp Tyr Tyr Gly Ile Gly Cys Lys Trp Thr
1 5 10 15
Gly Gly Gly Lys
20

<210> 333
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 333
Ala Gly Trp Tyr Trp Cys Asp Tyr Tyr Gly Ile Gly Cys Lys Trp Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 334
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 334
Ala Gln Trp Tyr Tyr Asp Trp Phe His Asn Gln Arg Lys Pro Pro Ser
1 5 10 15
Asp Trp Ile Asp Asn Leu Gly Gly Gly Lys
20 25

<210> 335
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 335
Ala Gly Pro Lys Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Met Ile Thr
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 336
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 336
Trp Gln Pro Cys Pro Trp Glu Ser Trp Thr Phe Cys Trp Asp Pro Gly
1 5 10 15
Gly Gly Lys

<210> 337
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 337
Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Arg Tyr Asp
1 5 10 15
Pro Gly Gly Gly Lys
20

<210> 338
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 338
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Lys

<210> 339
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 339
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 340
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 340
Ala Gln Ala His Met Pro Pro Trp Arg Pro Val Ala Val Asp Ala Leu
1 5 10 15
Phe Asp Trp Val Glu Gly Gly Gly Gly Gly Lys
20 25

<210> 341
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 341
Ala Gln Ala His Met Pro Pro Trp Trp Pro Leu Ala Val Asp Ala Gln
1 5 10 15
Glu Asp Trp Phe Glu Gly Gly Gly Gly Gly Lys
20 25

<210> 342
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 342
Ala Gln Ala Gln Met Pro Pro Trp Trp Pro Leu Ala Val Asp Ala Leu
1 5 10 15
Phe Asp Trp Phe Glu Gly Gly Gly Gly Gly Lys
20 25

<210> 343
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 343
Ala Gln Asp Trp Tyr Trp Arg Glu Trp Met Pro Met His Ala Gln Phe
1 5 10 15
Leu Ala Asp Asp Trp Gly Gly Gly Gly Gly Lys
20 25

<210> 344
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 344
Ala Gln Lys Lys Glu Asp Ala Gln Gln Trp Tyr Trp Thr Asp Tyr Val
1 5 10 15
Pro Ser Tyr Leu Tyr Arg Gly Gly Gly Gly Gly Lys
20 25

<210> 345
<211> 28
<212> PRT
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<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 345
Ala Gln Pro Val Thr Asp Trp Thr Pro His His Pro Lys Ala Pro Asp
1 5 10 15
Val Trp Leu Phe Tyr Thr Gly Gly Gly Gly Lys
20 25

<210> 346
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 346
Ala Gln Asp Ala Leu Glu Ala Pro Lys Arg Asp Trp Tyr Tyr Asp Trp
1 5 10 15
Phe Leu Asn His Ser Pro Gly Gly Gly Gly Lys
20 25

<210> 347
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 347
Lys Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Met Ile Thr Gly Thr Gly
1 5 10 15
Gly Gly Lys

<210> 348
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 348
Ala Gly Pro Lys Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Met Ile Gly
1 5 10 15
Gly Gly Lys

<210> 349
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 349
Lys Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Met Ile Gly Gly Gly Lys
1 5 10 15

<210> 350
<211> 29
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 350
Ala Gln Pro Asp Asn Trp Lys Glu Phe Tyr Glu Ser Gly Trp Lys Tyr
1 5 10 15
Pro Ser Leu Tyr Lys Pro Leu Gly Gly Gly Gly Gly Lys
20 25

<210> 351
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 351
Ala Gln Met Pro Pro Gly Phe Ser Tyr Trp Glu Gln Val Val Leu His
1 5 10 15
Asp Asp Ala Gln Val Leu Gly Gly Gly Gly Gly Lys
20 25

<210> 352
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 352
Ala Gln Ala Arg Met Gly Asp Asp Trp Glu Glu Ala Pro Pro His Glu
1 5 10 15
Trp Gly Trp Ala Asp Gly Gly Gly Gly Gly Lys
20 25

<210> 353
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 353
Ala Gln Pro Glu Asp Ser Glu Ala Trp Tyr Trp Leu Asn Tyr Arg Pro
1 5 10 15
Thr Met Phe His Gln Leu Gly Gly Gly Gly Lys
20 25

<210> 354
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 354
Ala Gln Ser Thr Asn Gly Asp Ser Phe Val Tyr Trp Glu Glu Val Glu
1 5 10 15
Leu Val Asp His Pro Gly Gly Gly Gly Lys
20 25

<210> 355
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 355
Ala Gln Trp Glu Ser Asp Tyr Trp Asp Gln Met Arg Gln Gln Leu Lys
1 5 10 15
Thr Ala Tyr Met Lys Val Gly Gly Gly Gly Lys
20 25

<210> 356
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR or KDR/VEGF Complex Binding Polypeptide

<400> 356
Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Ser Met Ala Asp Gln Leu
1 5 10 15
Arg His Ala Phe Leu Ser Gly Gly Gly Gly Lys
20 25

<210> 357
<211> 30
<212> DNA
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<220>

<223> Smart II Oligonucleotide

<400> 357
aagcagtggg aacaacgcag agtacgcggg 30

<210> 358
<211> 23
<212> DNA
<213> Artificial Sequence

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<223> Oligonucleotide for Cloning

<400> 358
gatggagagc aaggtgctgc tgg 23

<210> 359
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Oligonucleotide for Cloning

<400> 359
ccaagttcgt cttttcctgg gca 23

<210> 360
<211> 36
<212> DNA
<213> Artificial Sequence

<220>

<223> Oligonucleotide for Cloning

<400> 360
tcccccgga tcattattct agtaggcacg gcggtg 36

<210> 361
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Oligonucleotide for Cloning

<400> 361
caggaggaga gctcagtgtg gtc 23

<210> 362
<211> 41

<212> DNA
<213> Artificial Sequence

<220>

<223> Oligonucleotide for Cloning

<400> 362
ataagaatgc ggccgcagga tggagagcaa ggtgctgctg g 41

<210> 363
<211> 27
<212> DNA
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<220>

<223> Oligonucleotide for Cloning

<400> 363
ttccaagttc gtcttttcct gggcacc 27

<210> 364
<211> 27
<212> DNA
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<220>

<223> Oligonucleotide for Cloning

<400> 364
atcattattc tagtaggcac ggcggtg 27

<210> 365
<211> 41
<212> DNA
<213> Artificial Sequence

<220>

<223> Oligonucleotide for Cloning

<400> 365
ataagaatgc ggccgcaaca ggaggagagc tcagtgtggt c 41

<210> 366
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 366
Gly Asp Trp Trp Glu Cys Lys Arg Glu Glu Tyr Arg Asn Thr Thr Trp
' 1 5 10 15
Cys Ala Trp Ala Asp Pro Gly Gly Gly Lys
20 25

<210> 367
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 367
Ala Gly Pro Gly Pro Cys Lys Gly Tyr Met Pro His Gln Cys Trp Tyr
1 5 10 15
Met Gly Thr Gly Gly Gly Lys
20

<210> 368
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 368
Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Gly Gly Gly
1 5 10 15
Lys

<210> 369
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 369
Gly Asp Ser Arg Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Gly Gly Gly Lys
20

<210> 370
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 370
Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Arg Tyr Asp
1 5 10 15
Pro Gly Gly Gly
20

<210> 371
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 371
Ser Arg Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Arg
1 5 10 15
Tyr Gly Gly Gly Gly Lys
20

<210> 372
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 372
Gly Asp Ser Arg Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Gly Gly Gly Lys
20

<210> 373
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 373
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys Lys
20

<210> 374
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 374
Gly Asp Ser Arg Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro
20

<210> 375
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 375
Ala Gly Asp Ser Trp Cys Ser Thr Glu Tyr Thr Tyr Cys Glu Met Ile
1 5 10 15
Gly Thr

<210> 376
<211> 24
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 376
Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Ser Met Ala Asp Gln Leu
1 5 10 15
Arg His Ala Phe Leu Ser Gly Gly
20

<210> 377
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> Negative Control Polypeptide

<400> 377
Ala Glu Gly Thr Gly Asp Leu His Cys Tyr Phe Pro Trp Val Cys Ser
1 5 10 15
Leu Asp Pro Gly Pro Glu Gly Gly Gly Lys
20 25

<210> 378
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 378
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 379
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 379
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Ala Thr Gly Gly Gly Lys
20

<210> 380
<211> 26
<212> PRT
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19, 20
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<400> 380
Ala Gln Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Xaa Xaa Xaa Xaa Gly Gly Gly Gly Gly Gly Lys
20 25

<210> 381
<211> 29
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 381
Ala Gln Pro Asp Asn Trp Lys Glu Phe Tyr Glu Ser Gly Trp Lys Tyr
1 5 10 15
Pro Ser Leu Tyr Lys Pro Leu Gly Gly Gly Gly Gly Lys
20 25

<210> 382
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 382

Ala Gln Gln Ile Glu Tyr Val Asn Asp Lys Trp Tyr Trp Thr Gly Gly
1 5 10 15
Tyr Trp Asn Val Pro Phe Gly Gly Gly Gly Gly Lys
20 25

<210> 383

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 383

Ala Gln Asp Ala Leu Glu Ala Pro Lys Arg Asp Trp Tyr Tyr Asp Trp
1 5 10 15
Phe Leu Asn His Ser Pro Gly Gly Gly Gly Gly Lys
20 25

<210> 384

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 384

Ala Gln Trp Tyr His Asp Gly Leu His Asn Glu Arg Lys Pro Pro Ser
1 5 10 15
His Trp Ile Asp Asn Val Gly Gly Gly Gly Gly Lys
20 25

<210> 385

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 385

Ala Gln Asp Trp Tyr Trp Gln Arg Glu Arg Asp Lys Leu Arg Glu His
1 5 10 15
Tyr Asp Asp Ala Phe Trp Gly Gly Gly Gly Gly Lys
20 25

<210> 386

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 386

Ala	Ala	Pro	Thr	Trp	Cys	Glu	Asp	Asp	Trp	Tyr	Tyr	Cys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 387

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 387

Ala	Gly	Ala	Thr	Trp	Cys	Glu	Asp	Asp	Trp	Tyr	Tyr	Cys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 388

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 388

Ala	Gly	Pro	Ala	Trp	Cys	Glu	Asp	Asp	Trp	Tyr	Tyr	Cys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 389

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 389

Ala	Gly	Pro	Thr	Ala	Cys	Glu	Asp	Asp	Trp	Tyr	Tyr	Cys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 390

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 390

Ala Gly Pro Thr Trp Cys Ala Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 391

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 391

Ala Gly Pro Thr Trp Cys Glu Ala Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 392

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 392

Ala Gly Pro Thr Trp Cys Glu Asp Ala Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 393

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 393

Ala Gly Pro Thr Trp Cys Glu Asp Asp Ala Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 394

<211> 22

<212> PRT

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Library Isolate

<400> 394

Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Ala Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 395

<211> 22

<212> PRT

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Library Isolate

<400> 395

Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Ala Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 396

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 396

Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Ala Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 397

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 397

Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Ala Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 398
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 398
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Ala
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 399
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 399
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Ala Thr Gly Gly Gly Lys
20

<210> 400
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 400
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Ala Gly Gly Gly Lys
20

<210> 401
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 401
Ala Ala Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 402
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 402
Ala Gly Ala Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 403
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 403
Ala Gly Pro Ala Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 404
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 404
Ala Gly Pro Thr Ala Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 405
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 405
Ala Gly Pro Thr Trp Cys Ala Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 406
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 406
Ala Gly Pro Thr Trp Cys Glu Ala Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 407
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 407
Ala Gly Pro Thr Trp Cys Glu Asp Ala Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 408
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 408
Ala Gly Pro Thr Trp Cys Glu Asp Asp Ala Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 409
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 409
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Ala Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 410
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 410
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Ala Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 411
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 411
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Ala Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 412
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 412
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Ala Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 413
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 413
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Ala
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 414
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 414
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Ala Thr Gly Gly Gly Lys
20

<210> 415
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 415
Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Ala Gly Gly Gly Lys
20

<210> 416
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 416
Gly Asp Ser Arg Val Cys Trp Glu Asp Ala Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 417
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 417
Gly Asp Ser Arg Val Cys Trp Glu Asp Ser Trp Ala Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 418
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 418
Gly Asp Ser Arg Val Cys Trp Glu Asp Ser Trp Gly Ala Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 419
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 419
Ala Gly Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Leu Phe Thr Gly
1 5 10 15
Thr Gly Gly Gly Lys
20

<210> 420
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Binding Motif

<400> 420
Asp Trp Tyr Tyr
1

<210> 421
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 421
Gly Asp Trp Tyr Tyr Gly Gly Gly Lys
1 5

<210> 422
<211> 10

<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 422
Glu Asp Asp Trp Tyr Tyr Gly Gly Gly Lys
1 5 10

<210> 423
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 423
Ala Gln Asp Trp Tyr Tyr Ala Trp Leu Phe Thr Gly Gly Gly Gly Lys
1 5 10 15

<210> 424
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 424
Ala Gln Asp Trp Tyr Tyr Ala Trp Leu
1 5

<210> 425
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 425
Ala Gly Pro Thr Trp Cys Glu Asp Glu Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 426
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 426

Ala	Gly	Pro	Thr	Trp	Cys	Glu	Asp	Asp	Trp	Trp	Tyr	Cys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 427

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 427

Ala	Gly	Pro	Thr	Trp	Cys	Glu	Asp	Asp	Trp	Phe	Tyr	Cys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 428

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 428

Ala	Gly	Pro	Thr	Trp	Ala	Glu	Asp	Asp	Trp	Tyr	Tyr	Ala	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 429

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 429

Ala	Ala	Pro	Ala	Trp	Cys	Ala	Ala	Asp	Trp	Tyr	Tyr	Cys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 430

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 430

Ala Gly Pro Thr Trp Cys Ala Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 431

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 431

Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe Gly Thr Gly Gly Gly
1 5 10 15
Lys

<210> 432

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 432

Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe Gly Thr Gly Gly
1 5 10 15
Gly Lys

<210> 433

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 433

Trp Cys Ala Ala Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10

<210> 434

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 434

Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10

<210> 435

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 435

Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Arg Tyr Gly
1 5 10 15
Gly Gly Lys

<210> 436

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 436

Gly Asp Ser Arg Val Ala Trp Glu Asp Ser Trp Gly Gly Glu Val Ala
1 5 10 15
Phe Arg Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 437

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 437

Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Arg Tyr Gly
1 5 10 15
Gly Gly Lys

<210> 438

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 438

Gly	Asp	Ser	Arg	Val	Cys	Trp	Glu	Asp	Ala	Trp	Gly	Gly	Glu	Val	Cys
1				5					10					15	
Phe	Arg	Tyr	Asp	Pro	Gly	Gly	Gly	Lys							
			20					25							

<210> 439

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 439

Gly	Asp	Ser	Arg	Val	Cys	Trp	Glu	Asp	Phe	Trp	Gly	Gly	Glu	Val	Cys
1				5					10					15	
Phe	Arg	Tyr	Asp	Pro	Gly	Gly	Gly	Lys							
			20					25							

<210> 440

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 440

Gly	Asp	Ser	Arg	Val	Cys	Trp	Glu	Asp	Lys	Trp	Gly	Gly	Glu	Val	Cys
1				5					10					15	
Phe	Arg	Tyr	Asp	Pro	Gly	Gly	Gly	Lys							
			20					25							

<210> 441

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 441

Gly	Asp	Ser	Arg	Val	Cys	Trp	Glu	Asp	Ser	Trp	Gly	Phe	Glu	Val	Cys
1				5					10					15	
Phe	Arg	Tyr	Asp	Pro	Gly	Gly	Gly	Lys							
			20					25							

<210> 442

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 442

Gly	Asp	Ser	Arg	Val	Cys	Trp	Glu	Asp	Ser	Trp	Gly	Lys	Glu	Val	Cys
1				5				10					15		
Phe	Arg	Tyr	Asp	Pro	Gly	Gly	Gly	Lys							
			20					25							

<210> 443

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 443

Gly	Asp	Ser	Arg	Val	Cys	Trp	Glu	Asp	Ser	Trp	Gly	Glu	Glu	Val	Cys
1				5				10					15		
Phe	Arg	Tyr	Asp	Pro	Gly	Gly	Gly	Lys							
			20					25							

<210> 444

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 444

Ala	Gly	Met	Pro	Trp	Cys	Val	Glu	Lys	Asp	His	Trp	Asp	Cys	Trp	Trp
1				5				10					15		
Trp	Gly	Thr	Gly	Gly	Gly	Lys									
			20												

<210> 445

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 445

Gly	Asp	Gly	Ser	Trp	Cys	Glu	Met	Arg	Gln	Asp	Val	Gly	Lys	Trp	Asn
1				5				10					15		
Cys	Phe	Ser	Asp	Asp	Pro	Gly	Gly	Gly	Lys						
			20					25							

<210> 446
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 446
Gly Cys Lys Thr Lys Ile Ser Lys Val Lys Lys Lys Trp Asn Cys Tyr
1 5 10 15
Ser Asn Asn Lys Val Thr Gly Gly Gly Lys
20 25

<210> 447
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 447
Lys Gln Phe Cys Glu Glu Asn Trp Glu Arg Gly Arg Asn His Tyr Tyr
1 5 10 15
Cys Leu Thr Thr Leu Ser Gly Gly Gly Lys
20 25

<210> 448
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 448
Gly Asp Ser Arg Val Cys Trp Glu Asp Trp Gly Gly Val Val Cys Arg
1 5 10 15
Tyr Arg Tyr Asp Ala Gly Gly Gly Lys
20 25

<210> 449
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 449
Cys Glu Glu Asp Trp Tyr Tyr Cys Met Ile Thr Gly Thr Gly Gly Gly
1 5 10 15
Lys

<210> 450
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 450
Ala Gly Pro Lys Trp Cys Glu Glu Asp Trp Tyr Tyr Cys Met Ile Thr
1 5 10 15
Ala Thr

<210> 451
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 451
Ala Ala Pro Lys Trp Cys Glu Glu Asp Tyr Tyr Cys Met Ile Thr Gly
1 5 10 15
Thr Gly Gly Gly Lys
20

<210> 452
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 452
Ala Gly Pro Asp Trp Cys Ala Ala Asp Trp Tyr Tyr Cys Tyr Ile Thr
1 5 10 15
Gly

<210> 453
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 453
Ala Gly Pro Thr Trp Glu Glu Asp Asp Trp Tyr Tyr Lys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 454
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 454
Ala Gly Pro Thr Trp Lys Glu Asp Asp Trp Tyr Tyr Glu Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 455
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Dpr

<400> 455
Ala Gly Pro Thr Trp Xaa Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 456
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Dpr

<400> 456
Ala Gly Pro Thr Trp Asp Glu Asp Asp Trp Tyr Tyr Xaa Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Lys
20

<210> 457
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 457

Ala	Gly	Pro	Thr	Trp	Asp	Glu	Asp	Asp	Trp	Tyr	Tyr	Lys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 458

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 458

Ala	Gln	Asp	Trp	Tyr	Tyr	Asp	Glu	Ile	Leu	Ser	Met	Ala	Asp	Gln	Leu
1				5					10					15	
Arg															

<210> 459

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 459

Asp	Trp	Tyr	Tyr	Asp	Glu	Ile	Leu	Ser	Met	Ala	Asp	Gln	Leu
1				5					10				

<210> 460

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 460

Ala	Gln	Asp	Trp	Tyr	Tyr	Asp	Glu	Ile	Leu	Ser	Met	Ala	Asp	Gln	Leu
1				5					10					15	
Arg	His	Ala	Phe	Leu	Ser										
				20											

<210> 461

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 461

Ala Gln Asp Trp Tyr Tyr Gly Gly Gly Lys
1 5 10

<210> 462

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 462

Asp Trp Tyr Tyr Gly Gly Gly Lys
1 5

<210> 463

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 463

Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu
1 5 10

<210> 464

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 464

Ala Glu Trp Ser Tyr Gln Asp Met Ile Arg Leu Asp Tyr Ala Asp Leu
1 5 10 15
Gln Leu Ser His Phe Ala Gly Gly Gly Gly Gly Lys
20 25

<210> 465

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 465

Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Gly Arg Gly Arg Gly Gly
1 5 10 15
Arg Gly Gly

<210> 466

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 466

Glu Asp Asp Trp Tyr Tyr Gly Arg Gly Gly Arg Gly Gly Arg Gly Gly
1 5 10 15

<210> 467

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 467

Gly Asp Trp Tyr Tyr Gly Arg Gly Gly Arg Gly Gly Arg Gly Gly
1 5 10 15

<210> 468

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 468

Ala Gln Asp Trp Tyr Tyr Ala Trp Leu Phe Thr Gly Arg Gly Gly Arg
1 5 10 15
Gly Gly Arg Gly Gly
20

<210> 469

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 469

Ala Gln Asp Trp Tyr Tyr Ala Trp Leu Gly Arg Gly Gly Arg Gly Gly
1 5 10 15
Arg Gly Gly

<210> 470

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 470

Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Gly Arg Gly Gly Arg Gly
1 5 10 15
Gly Arg Gly Gly Lys Lys
20

<210> 471

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 471

Gly Asp Ser Arg Val Cys Trp Pro Asp Ser Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro
20

<210> 472

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 472

Gly Asp Ser Arg Val Cys Trp Glu Asp Ser Trp Gly Gly Val Glu Cys
1 5 10 15
Phe Arg Tyr Asp Pro
20

<210> 473

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 473

Ala	Gln	Asp	Trp	Tyr	Tyr	Asp	Glu	Ile	Leu	Gly	Arg	Gly	Gly	Arg	Gly
1				5					10					15	
Gly	Arg	Gly	Gly	Lys											
				20											

<210> 474

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 474

Trp	Tyr	Leu	Asp	Arg	Gln	Ala	Asp	Phe	Met	Tyr	Ser	Ala	Gln	Ala	Glu
1				5					10					15	
Asp	Ser	Leu	Ile	Leu	His	Gly	Gly	Gly	Gly	Gly	Lys				
				20				25							

<210> 475

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library isolate

<400> 475

Val	Cys	Trp	Glu	Asp	Ser	Trp	Glu	Asp	Ser	Trp	Gly	Gly	Glu	Val	Cys
1				5					10					15	
Phe	Arg	Tyr	Asp	Pro	Gly	Gly	Gly	Lys							
				20				25							

<210> 476

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 476

Ala	Gly	Pro	Thr	Trp	Cys	Glu	Asp	Asp	Trp	Tyr	Tyr	Cys	Trp	Leu	Phe
1				5					10					15	
Gly	Thr	Gly	Gly	Gly	Lys										
				20											

<210> 477

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 477

Gly Asp Ser Arg Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 478

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 478

Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Gly Arg Gly Gly Arg Gly
1 5 10 15
Gly Arg Gly Gly Lys
20

210> 479

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Library isolate

<400> 479

Ala Gly Pro Thr Trp Cys Asp Tyr Asp Trp Glu Tyr Cys Trp Leu Phe
1 5 10 15
Thr Phe Gly Gly Gly Leu
20

<210> 480

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 480

Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Gly Gly Gly Gly Lys
20

<210> 481

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 481

Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Thr Gly Gly Gly Lys
20

<210> 482

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 482

Gly Ser Pro Glu Met Cys Met Met Phe Pro Phe Leu Tyr Pro Cys Asn
1 5 10 15
His His Ala Pro Gly Gly Gly Lys
20

<210> 483

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Library isolate

<400> 483

Gly Ser Phe Phe Pro Cys Trp Arg Ile Asp Arg Phe Gly Tyr Cys His
1 5 10 15
Ala Asn Ala Pro Gly Gly Gly Lys
20

<210> 484

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Library isolate

<400> 484

Ala Gln Glu Trp Glu Arg Glu Tyr Phe Val Asp Gly Phe Trp Gly Ser
1 5 10 15
Trp Phe Gly Ile Pro His Gly Gly Gly Lys
20 25

<210> 485
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> Library isolate

<400> 485
Gly Asp Tyr Ser Glu Cys Phe Phe Glu Pro Asp Ser Phe Glu Val Lys
1 5 10 15
Cys Tyr Asp Arg Asp Pro Gly Gly Gly Lys
20 25

<210> 486
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 486
Gly Asp Trp Trp Glu Cys Lys Arg Glu Glu Tyr Arg Asn Thr Thr Trp
1 5 10 15
Cys Ala Trp Ala Asp Pro Gly Gly Gly Lys
20 25

<210> 487
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 487
Gly Asp Ser Ser Val Cys Phe Glu Tyr Ser Trp Gly Gly Glu Val Cys
1 5 10 15
Phe Arg Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 488
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthesized KDR-Binding Polypeptide

<400> 488
Gly Asp Ser Arg Val Cys Trp Glu Tyr Ser Trp Gly Gly Gln Ile Cys
1 5 10 15
Leu Gly Tyr Asp Pro Gly Gly Gly Lys
20 25

<210> 489
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 489
Gly Val Asp Phe Arg Cys Glu Trp Ser Asp Trp Gly Glu Val Gly Cys
1 5 10 15
Arg Ser Pro Asp Tyr Gly Gly Gly Lys
20 25

<210> 490
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Binding Motif

<400> 490
Ala Trp Tyr Tyr
1

<210> 491
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Polypeptide Linker

<400> 491
Gly Gly Ser Gly Gly Glu Gly Arg Pro Gly Glu Gly Gly Ser Gly
1 5 10 15

<210> 492
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Polypeptide Linker

<400> 492
Gly Ser Glu Ser Gly Gly Arg Pro Glu Gly Gly Ser Gly Glu Gly Gly
1 5 10 15

<210> 493
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 493

Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
1 5 10 15
Gly Thr Lys

<210> 494

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 494

Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Arg Tyr Asp
1 5 10 15
Pro Gly Gly Gly Lys Lys
20

<210> 495

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 495

Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Ser Met Ala Asp Gln Leu
1 5 10 15
Arg His Ala Phe Leu Ser Gly Gly Gly Gly Gly Lys Lys
20 25

<210> 496

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 496

Ala Gln Asp Trp Tyr Tyr Glu Ile Leu Gly Arg Gly Gly Arg Gly Gly
1 5 10 15
Arg Gly Gly Lys Lys
20

<210> 497

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> KDR-Binding Polypeptide

<400> 497

Ala Pro Gly Thr Trp Cys Asp Tyr Asp Trp Glu Tyr Cys Trp Leu Gly
1 5 10 15
Thr Phe Gly Gly Gly Lys
20

<210> 498

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Carcinoembryonic Antigen-Derived Peptide

<400> 498

Tyr Pro Glu Leu Pro Lys
1 5

<210> 499

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Carcinoembryonic Antigen-Derived Peptide

<400> 499

Arg Val Tyr Pro Glu Leu Pro Lys Pro Ser Gly Gly Gly
1 5 10

<210> 500

<211> 585

<212> PRT

<213> Artificial Sequence

<220>

<223> Homo sapiens

<400> 500

Asp Ala His Lys Ser Glu Val Ala His Arg Phe Lys Asp Leu Gly Glu
1 5 10 15
Glu Asn Phe Lys Ala Leu Val Leu Ile Ala Phe Ala Gln Tyr Leu Gln
20 25 30
Gln Cys Pro Phe Glu Asp His Val Lys Leu Val Asn Glu Val Thr Glu
35 40 45
Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Glu Asn Cys Asp Lys
50 55 60
Ser Leu His Thr Leu Phe Gly Asp Lys Leu Cys Thr Val Ala Thr Leu
65 70 75 80

Arg Glu Thr Tyr Gly Glu Met Ala Asp Cys Cys Ala Lys Gln Glu Pro
 85 90 95
 Glu Arg Asn Glu Cys Phe Leu Gln His Lys Asp Asp Asn Pro Asn Leu
 100 105 110
 Pro Arg Leu Val Arg Pro Glu Val Asp Val Met Cys Thr Ala Phe His
 115 120 125
 Asp Asn Glu Glu Thr Phe Leu Lys Lys Tyr Leu Tyr Glu Ile Ala Arg
 130 135 140
 Arg His Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Phe Phe Ala Lys Arg
 145 150 155 160
 Tyr Lys Ala Ala Phe Thr Glu Cys Cys Gln Ala Ala Asp Lys Ala Ala
 165 170 175
 Cys Leu Leu Pro Lys Leu Asp Glu Leu Arg Asp Glu Gly Lys Ala Ser
 180 185 190
 Ser Ala Lys Gln Arg Leu Lys Cys Ala Ser Leu Gln Lys Phe Gly Glu
 195 200 205
 Arg Ala Phe Lys Ala Trp Ala Val Ala Arg Leu Ser Gln Arg Phe Pro
 210 215 220
 Lys Ala Glu Phe Ala Glu Val Ser Lys Leu Val Thr Asp Leu Thr Lys
 225 230 235 240
 Val His Thr Glu Cys Cys His Gly Asp Leu Leu Glu Cys Ala Asp Asp
 245 250 255
 Arg Ala Asp Leu Ala Lys Tyr Ile Cys Glu Asn Gln Asp Ser Ile Ser
 260 265 270
 Ser Lys Leu Lys Glu Cys Cys Glu Lys Pro Leu Leu Glu Lys Ser His
 275 280 285
 Cys Ile Ala Glu Val Glu Asn Asp Glu Met Pro Ala Asp Leu Pro Ser
 290 295 300
 Leu Ala Ala Asp Phe Val Glu Ser Lys Asp Val Cys Lys Asn Tyr Ala
 305 310 315 320
 Glu Ala Lys Asp Val Phe Leu Gly Met Phe Leu Tyr Glu Tyr Ala Arg
 325 330 335
 Arg His Pro Asp Tyr Ser Val Val Leu Leu Leu Arg Leu Ala Lys Thr
 340 345 350
 Tyr Lys Thr Thr Leu Glu Lys Cys Cys Ala Ala Ala Asp Pro His Glu
 355 360 365
 Cys Tyr Ala Lys Val Phe Asp Glu Phe Lys Pro Leu Val Glu Glu Pro
 370 375 380
 Gln Asn Leu Ile Lys Gln Asn Cys Glu Leu Phe Glu Gln Leu Gly Glu
 385 390 395 400
 Tyr Lys Phe Gln Asn Ala Leu Leu Val Arg Tyr Thr Lys Lys Val Pro
 405 410 415
 Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg Asn Leu Gly Lys
 420 425 430
 Val Gly Ser Lys Cys Cys Lys His Pro Glu Ala Lys Arg Met Pro Cys
 435 440 445
 Ala Glu Asp Tyr Leu Ser Val Leu Asn Gln Leu Cys Val Leu His
 450 455 460
 Glu Lys Thr Pro Val Ser Asp Arg Val Thr Lys Cys Cys Thr Glu Ser
 465 470 475 480
 Leu Val Asn Arg Arg Pro Cys Phe Ser Ala Leu Glu Val Asp Glu Thr
 485 490 495
 Tyr Val Pro Lys Glu Phe Asn Ala Glu Thr Phe Thr Phe His Ala Asp
 500 505 510
 Ile Cys Thr Leu Ser Glu Lys Glu Arg Gln Ile Lys Lys Gln Thr Ala
 515 520 525
 Leu Val Glu Leu Val Lys His Lys Pro Lys Ala Thr Lys Glu Gln Leu
 530 535 540
 Lys Ala Val Met Asp Asp Phe Ala Ala Phe Val Glu Lys Cys Cys Lys
 545 550 555 560
 Ala Asp Asp Lys Glu Thr Cys Phe Ala Glu Glu Gly Lys Lys Leu Val
 565 570 575

Ala Ala Ser Arg Ala Ala Leu Gly Leu
580 585

<210> 501
<211> 690
<212> PRT
<213> Artificial Sequence

<220>

<223> HSA-Linked Dimer

<400> 501

Ala	Gly	Asp	Trp	Trp	Val	Glu	Cys	Arg	Val	Gly	Thr	Gly	Leu	Cys	Tyr
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Arg	Tyr	Asp	Thr	Gly	Thr	Gly	Gly	Gly	Lys	Pro	Gly	Gly	Ser	Gly	Gly
			20					25					30		
Glu	Gly	Gly	Ser	Gly	Gly	Glu	Gly	Gly	Arg	Pro	Gly	Gly	Ser	Glu	Gly
		35					40					45			
Gly	Thr	Gly	Gly	Asp	Ala	His	Lys	Ser	Glu	Val	Ala	His	Arg	Phe	Lys
	50					55					60				
Asp	Leu	Gly	Glu	Glu	Asn	Phe	Lys	Ala	Leu	Val	Leu	Ile	Ala	Phe	Ala
65					70					75				80	
Gln	Tyr	Leu	Gln	Gln	Cys	Pro	Phe	Glu	Asp	His	Val	Lys	Leu	Val	Asn
			85						90				95		
Glu	Val	Thr	Glu	Phe	Ala	Lys	Thr	Cys	Val	Ala	Asp	Glu	Ser	Ala	Glu
			100					105					110		
Asn	Cys	Asp	Lys	Ser	Leu	His	Thr	Leu	Phe	Gly	Asp	Lys	Leu	Cys	Thr
		115					120					125			
Val	Ala	Thr	Leu	Arg	Glu	Thr	Tyr	Gly	Glu	Met	Ala	Asp	Cys	Cys	Ala
	130					135					140				
Lys	Gln	Glu	Pro	Glu	Arg	Asn	Glu	Cys	Phe	Leu	Gln	His	Lys	Asp	Asp
145					150					155				160	
Asn	Pro	Asn	Leu	Pro	Arg	Leu	Val	Arg	Pro	Glu	Val	Asp	Val	Met	Cys
			165					170					175		
Thr	Ala	Phe	His	Asp	Asn	Glu	Glu	Thr	Phe	Leu	Lys	Lys	Tyr	Leu	Tyr
			180					185					190		
Glu	Ile	Ala	Arg	Arg	His	Pro	Tyr	Phe	Tyr	Ala	Pro	Glu	Leu	Leu	Phe
	195						200					205			
Phe	Ala	Lys	Arg	Tyr	Lys	Ala	Ala	Phe	Thr	Glu	Cys	Cys	Gln	Ala	Ala
	210					215					220				
Asp	Lys	Ala	Ala	Cys	Leu	Leu	Pro	Lys	Leu	Asp	Glu	Leu	Arg	Asp	Glu
225					230					235				240	
Gly	Lys	Ala	Ser	Ser	Ala	Lys	Gln	Arg	Leu	Lys	Cys	Ala	Ser	Leu	Gln
			245					250					255		
Lys	Phe	Gly	Glu	Arg	Ala	Phe	Lys	Ala	Trp	Ala	Val	Ala	Arg	Leu	Ser
		260						265					270		
Gln	Arg	Phe	Pro	Lys	Ala	Glu	Phe	Ala	Glu	Val	Ser	Lys	Leu	Val	Thr
		275					280					285			
Asp	Leu	Thr	Lys	Val	His	Thr	Glu	Cys	Cys	His	Gly	Asp	Leu	Leu	Glu
	290					295					300				
Cys	Ala	Asp	Asp	Arg	Ala	Asp	Leu	Ala	Lys	Tyr	Ile	Cys	Glu	Asn	Gln
305					310					315				320	
Asp	Ser	Ile	Ser	Ser	Lys	Leu	Lys	Glu	Cys	Cys	Glu	Lys	Pro	Leu	Leu
			325					330					335		
Glu	Lys	Ser	His	Cys	Ile	Ala	Glu	Val	Glu	Asn	Asp	Glu	Met	Pro	Ala
		340					345						350		
Asp	Leu	Pro	Ser	Leu	Ala	Ala	Asp	Phe	Val	Glu	Ser	Lys	Asp	Val	Cys
	355					360						365			
Lys	Asn	Tyr	Ala	Glu	Ala	Lys	Asp	Val	Phe	Leu	Gly	Met	Phe	Leu	Tyr
	370					375					380				

Glu Tyr Ala Arg Arg His Pro Asp Tyr Ser Val Val Leu Leu Leu Arg
 385 390 395 400
 Leu Ala Lys Thr Tyr Lys Thr Thr Leu Glu Lys Cys Cys Ala Ala Ala
 405 410 415
 Asp Pro His Glu Cys Tyr Ala Lys Val Phe Asp Glu Phe Lys Pro Leu
 420 425 430
 Val Glu Glu Pro Gln Asn Leu Ile Lys Gln Asn Cys Glu Leu Phe Glu
 435 440 445
 Gln Leu Gly Glu Tyr Lys Phe Gln Asn Ala Leu Leu Val Arg Tyr Thr
 450 455 460
 Lys Lys Val Pro Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg
 465 470 475 480
 Asn Leu Gly Lys Val Gly Ser Lys Cys Cys Lys His Pro Glu Ala Lys
 485 490 495
 Arg Met Pro Cys Ala Glu Asp Tyr Leu Ser Val Val Leu Asn Gln Leu
 500 505 510
 Cys Val Leu His Glu Lys Thr Pro Val Ser Asp Arg Val Thr Lys Cys
 515 520 525
 Cys Thr Glu Ser Leu Val Asn Arg Arg Pro Cys Phe Ser Ala Leu Glu
 530 535 540
 Val Asp Glu Thr Tyr Val Pro Lys Glu Phe Asn Ala Glu Thr Phe Thr
 545 550 555 560
 Phe His Ala Asp Ile Cys Thr Leu Ser Glu Lys Glu Arg Gln Ile Lys
 565 570 575
 Lys Gln Thr Ala Leu Val Glu Leu Val Lys His Lys Pro Lys Ala Thr
 580 585 590
 Lys Glu Gln Leu Lys Ala Val Met Asp Asp Phe Ala Ala Phe Val Glu
 595 600 605
 Lys Cys Cys Lys Ala Asp Asp Lys Glu Thr Cys Phe Ala Glu Glu Gly
 610 615 620
 Lys Lys Leu Val Ala Ala Ser Arg Ala Ala Leu Gly Leu Gly Gly Ser
 625 630 635 640
 Gly Gly Glu Gly Gly Ser Gly Gly Glu Gly Gly Ser Gly Pro Gly Glu
 645 650 655
 Gly Gly Glu Gly Ser Gly Gly Arg Pro Gly Asp Ser Arg Val Cys Trp
 660 665 670
 Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Arg Tyr Asp Pro Gly Gly
 675 680 685
 Gly Lys
 690

<210> 502
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Mature HSA

<400> 502
 Trp Gln Pro Cys Pro Trp Glu Ser Trp Thr Phe Cys Trp Asp Pro Gly
 1 5 10 15
 Gly Gly Lys

<210> 503
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>

<223> NP-1 Binding Peptide

<400> 503

Thr Lys Pro Pro Arg
1 5

<210> 504

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 504

Glu Arg Val Thr Thr Cys Trp Pro Gly Glu Tyr Gly Gly Val Glu Cys
1 5 10 15
Tyr Ser Val Ala Tyr
20

<210> 505

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 505

Gly Ser Asn Met Val Cys Met Asp Asp Ser Tyr Gly Gly Thr Thr Cys
1 5 10 15
Tyr Ser Met Ala Pro
20

<210> 506

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 506

Gly Ser Tyr Asn Gln Cys Tyr Gly Asp Tyr Trp Gly Gly Glu Thr Cys
1 5 10 15
Tyr Leu Ile Ala Pro
20

<210> 507

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 507

Gly	Ser	Arg	Val	Asn	Cys	Gly	Ala	Glu	Asp	Gly	Leu	Ser	Phe	Leu	Cys
1				5				10						15	
Met	Met	Asp	Ala	Pro											
			20												

<210> 508

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 508

Gly	Ser	Ile	Trp	Asp	Cys	Gln	Ile	Ser	Glu	Tyr	Gly	Gly	Glu	Asp	Cys
1				5				10						15	
Tyr	Leu	Val	Ala	Pro											
			20												

<210> 509

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 509

Gly	Ser	Tyr	Trp	His	Cys	Met	Asp	Asp	Phe	Phe	Gly	Gly	Glu	Thr	Cys
1				5				10						15	
Phe	Ala	Thr	Ala	Pro											
			20												

<210> 510

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 510

Gly	Ser	Gly	Glu	Tyr	Cys	Phe	Pro	Ser	Ile	Tyr	Gly	Gly	Glu	Thr	Cys
1				5				10						15	
Tyr	Ala	His	Ala	Pro											
			20												

<210> 511

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 511

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<400> 511
Gly Ser Glu Gln Leu Cys Phe Glu Tyr Gln Tyr Gly Gly Val Glu Cys
 1             5             10             15
Phe Gly Pro Ala Pro
          20

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<210> 512

<211> 21

<212> PRT

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Library Isolate

<400> 512

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<400> 512
Gly Ser Thr Gly Val Cys Ser Pro Ala Pro Tyr Gly Gly Glu Val Cys
 1             5             10             15
Tyr His Phe Ala Pro
          20

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<210> 513

<211> 21

<212> PRT

<213> Artificial Sequence

$\langle 220 \rangle$

<223> Library Isolate

<400> 513

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<400> 513
Gly Ser His Asp Glu Cys Trp Glu Asp Ile Tyr Gly Gly Phe Thr Cys
      5              10              15
Met Leu Met Ala Pro
      20

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<210> 514

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 514

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<400> 514
Gly Ser Gln His Thr Cys Phe Ser Asp Pro Tyr Gly Gly Glu Val Cys
 1              5              10              15
Tyr Ala Asp Ala Pro
          20

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<210> 515
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 515
Gly Ser Trp Glu Val Cys Glu Asn Ser Asn Tyr Gly Gly Gln Ile Cys
1 5 10 15
Tyr Trp Phe Ala Pro
20

<210> 516
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 516
Gly Ser His Glu Met Cys Trp Ser Asp Val Trp Gly Gly Leu Thr Cys
1 5 10 15
Met Thr Met Ala Pro
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<210> 517
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 517
Gly Ser Leu Ser Leu Cys Lys Phe Phe Gly Asp Gly Ser Tyr Tyr Cys
1 5 10 15
Glu Pro Pro Ala Pro
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<210> 518
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 518
Gly Ser Thr Arg Phe Cys Glu Pro Tyr Gln Trp Gly Gly Glu Val Cys
1 5 10 15
Tyr Trp Lys Ala Pro
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<210> 519
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 519
Gly Ser Phe Ser Thr Cys Ala Thr Phe Pro Trp Thr Thr Lys Phe Cys
1 5 10 15
Ser Asn Met Ala Pro
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<210> 520
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 520
Gly Ser His Glu Leu Cys Phe Glu Gly Thr Tyr Gly Gly Glu Val Cys
1 5 10 15
Phe Ser Met Ala Pro
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<210> 521
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 521
Gly Ser Leu Trp His Cys Phe Asn Asp Val Tyr Gly Gly Glu Asn Cys
1 5 10 15
Ile Pro Phe Ala Pro
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<210> 522
<211> 21
<212> PRT
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<220>

<223> Library Isolate

<400> 522
Gly Ser Gln Gln Tyr Cys Ile Pro Ala Glu Tyr Gly Gly Met Glu Cys
1 5 10 15
Tyr Pro Phe Ala Pro
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<210> 523
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<212> PRT
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<223> Library Isolate

<400> 523
Gly Ser Ile Gln Asn Cys Trp Lys Tyr Glu Phe Gly Gly Ile Val Cys
1 5 10 15
Met Asp Met Ala Pro
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<210> 524
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 524
Gly Ser Val Ser Gly Cys Lys Glu Phe Trp Asn Ser Ser Gly Arg Cys
1 5 10 15
Phe Thr His Ala Pro
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<210> 525
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 525
Gly Ser Leu Trp Glu Cys Arg Gly Asp Phe Tyr Gly Gly Glu Val Cys
1 5 10 15
Phe Asn Tyr Ala Pro
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<210> 526
<211> 21
<212> PRT
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<220>

<223> Library Isolate

<400> 526
Gly Ser Asn Leu Ile Cys Tyr Asp Tyr Tyr Tyr Gly Gly Gln Asp Cys
1 5 10 15
Tyr His Asp Ala Pro
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<210> 527
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 527
Gly Ser Glu Gly Thr Cys Glu Glu Tyr Gln Tyr Gly Gly Ile Val Cys
1 5 10 15
Trp Trp Gly Ala Pro
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<210> 528
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 528
Pro Gly Ser Gly Asp Cys Asp Trp Tyr Tyr Glu Trp Leu Phe Asp Cys
1 5 10 15
Pro Leu Asn Ala Pro
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<210> 529
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 529
Gly Ser Asp Gln Met Cys Phe Asn Glu Ser Phe Gly Gly Gln Ile Cys
1 5 10 15
Phe Tyr Ser Ala Pro
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<210> 530
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 530
Gly Ser Gly Met Ala Cys Met Ser Asp Pro Tyr Gly Gly Gln Val Cys
1 5 10 15
Tyr Ala Ile Ala Pro
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<210> 531
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 531
Gly Ser Glu Leu Thr Cys Trp Asp Ser Ala Tyr Gly Gly Asn Glu Cys
1 5 10 15
Phe Phe Phe Ala Pro
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<210> 532
<211> 21
<212> PRT
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<220>

<223> Library Isolate

<400> 532
Gly Ser His Phe Leu Cys Val Lys Glu Met Glu Gly Gly Glu Thr Cys
1 5 10 15
Tyr Tyr Ser Ala Pro
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<210> 533
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 533
Gly Ser Trp Glu Ile Cys Phe Ala Gly Pro Tyr Gly Gly Ser Trp Cys
1 5 10 15
Ile Pro Glu Ala Pro
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<210> 534
<211> 21
<212> PRT
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<220>

<223> Library Isolate

<400> 534
Gly Ser Ala Gln Tyr Cys Met Glu Ser Tyr Tyr Gly Gly Phe Thr Cys
1 5 10 15
Val Thr Leu Ala Pro
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<210> 535
<211> 21
<212> PRT
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<220>

<223> Library Isolate

<400> 535
Gly Ser Phe Asn Ala Cys Gly Phe Glu Glu Gly Leu Glu Trp Met Cys
1 5 10 15
Tyr Arg Gln Ala Pro
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<210> 536
<211> 21
<212> PRT
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<223> Library Isolate

<400> 536
Gly Ser Lys Leu Leu Cys Gln Tyr Trp Glu His Glu Trp Trp Pro Cys
1 5 10 15
Met Asn Glu Ala Pro
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<210> 537
<211> 21
<212> PRT
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<223> Library Isolate

<400> 537
Gly Ser Asn Met Asn Cys Gly Ala Glu Gln Gly Leu Glu Ser Leu Cys
1 5 10 15
Gly Trp Arg Ala Pro
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<210> 538
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<212> PRT
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<223> Library Isolate

<400> 538
Gly Ser Asn Trp Val Cys Leu Ser Glu Gly Tyr Gly Gly Met Thr Cys
1 5 10 15
Tyr Pro Ser Ala Pro
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<210> 539
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<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 539
Gly Ser Pro Ser Thr Cys Ile Tyr Ser Ser Gly Leu Ile Val Asp Cys
1 5 10 15
Gly Leu Leu Ala Pro
20

<210> 540
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 540
Gly Ser Thr Gln His Cys Trp Pro Ser Glu Tyr Gly Gly Met Thr Cys
1 5 10 15
Val Pro Ala Ala Pro
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<210> 541
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 541
Gly Ser Thr Trp Ala Cys Glu Glu Ile Ser Ala His His Thr Lys Cys
1 5 10 15
Thr Tyr Gln Ala Pro
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<210> 542
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 542
Gly Ser Tyr Thr Glu Cys Trp Glu Glu Asp Tyr Gly Gly Val Thr Cys
1 5 10 15
Phe Asn Val Ala Pro
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<210> 543
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 543
Gly Ser Asp Lys Phe Cys Phe Lys Asp Pro Trp Gly Gly Val Thr Cys
1 5 10 15
Tyr His Leu Ala Pro
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<210> 544
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 544
Gly Ser Asp Leu Asp Cys Trp Thr Asp Pro Tyr Gly Gly Glu Val Cys
1 5 10 15
Tyr Trp His Ala Pro
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<210> 545
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 545
Gly Ser Asp Tyr Glu Cys Tyr Asn Ala Trp Phe Gly Tyr Phe Asp Cys
1 5 10 15
Pro Gly Asp Ala Pro
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<210> 546
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 546
Gly Ser Leu Ser Thr Cys Trp Lys Gln Ala Tyr Gly Gly Val Trp Cys
1 5 10 15
Val Asp His Ala Pro
20

<210> 547
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 547
Gly Ser Met Gln Leu Cys Arg Gln Trp Ala Tyr Gly Gly Gln Thr Cys
1 5 10 15
Tyr Trp Tyr Ala Pro
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<210> 548
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 548
Gly Ser Asn Gln Leu Cys Ile Thr Ala Gln Phe Gly Gly Gln Asp Cys
1 5 10 15
Tyr Pro Ile Ala Pro
20

<210> 549
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 549
Gly Ser Pro Met Trp Cys Ala Pro Trp Pro Trp Gly Gly Glu His Cys
1 5 10 15
Val Gly Ser Ala Pro
20

<210> 550
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 550
Gly Ser Gln Leu Leu Cys Gly Ser Glu Pro Glu Leu Ala Trp Met Cys
1 5 10 15
Glu Gln Gly Ala Pro
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<210> 551
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 551
Gly Ser Gln Arg Gln Cys Trp Asp Asp Tyr Phe Gly Gly Ile Ile Cys
1 5 10 15
Tyr Val Ile Asp Ala
20

<210> 552
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 552
Gly Ser Arg Glu Val Cys Trp Gln Asp Phe Phe Gly Gly Met Val Cys
1 5 10 15
Val Arg Asp Ala Pro
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<210> 553
<211> 21
<212> PRT
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<223> Library Isolate

<400> 553
Gly Ser Ser Gln Trp Cys Gln Arg Asp Phe Trp Gly Gly Asp Ile Cys
1 5 10 15
Ile Asn Leu Ala Pro
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<210> 554
<211> 21
<212> PRT
<213> Artificial Sequence

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<223> Library Isolate

<400> 554
Gly Ser Thr Asp Ile Cys Trp Pro Gly Ser Tyr Gly Gly Glu Ile Cys
1 5 10 15
Ile Pro Arg Ala Pro
20

<210> 555
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 555
Gly Ser Thr Glu Tyr Cys Trp Pro Glu Pro His Gly Gly Gln Ala Cys
1 5 10 15
Ile Leu Leu Ala Pro
20

<210> 556
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 556
Gly Ser Thr His Phe Cys Ile Asp Tyr Ile Trp Gly Gly Lys His Cys
1 5 10 15
Ile Ala Asp Ala Pro
20

<210> 557
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 557
Gly Ser Thr Met Met Cys Trp Pro Ala His Tyr Gly Gly Asp Glu Cys
1 5 10 15
Phe Ala Leu Ala Pro
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<210> 558
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 558
Gly Ser Thr Gln Met Cys Phe Pro His Gln Tyr Gly Gly Gln Ser Cys
1 5 10 15
Tyr Ser Phe Ala Pro
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<210> 559
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 559
Gly Ser Val Glu Gly Cys Trp Val Glu Asp Gln Thr Ser Pro Phe Cys
1 5 10 15
Trp Ile Asp Ala Pro
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<210> 560
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 560
Gly Ser Trp Tyr Thr Cys Trp Asp Glu Ala Ser Gly Gly Gln Val Cys
1 5 10 15
Tyr Gln Leu Ala Pro
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<210> 561
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 561
Gly Ser Tyr Asn Leu Cys Tyr Pro Glu Ile Tyr Gly Gly Gln Val Cys
1 5 10 15
Tyr Arg Met Ala Pro
20

<210> 562
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Library Isolate

<400> 562
Gly Ser Tyr Ser Gln Cys Phe Pro Asp Pro Phe Gly Gly Thr Thr Cys
1 5 10 15
Phe Val Ser Ala Pro
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<210> 563
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<210> 587
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<400> 587
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Asp His Leu Ala Pro
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<400> 596
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<400> 600
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Phe Pro Gly Ala Pro
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Phe Thr Ile Ala Pro
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Lys Tyr Ala Ala Pro
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Phe Tyr Ile Ala Pro
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<400> 614
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Phe Asn Leu Ala Pro
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<400> 615
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 1 5 10 15
 Asn Val Ala Pro
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<210> 616
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 1 5 10 15
 Val Tyr Asp Ala Pro
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<400> 617
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 1 5 10 15
 Gly Gly Gly Lys
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